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EDITORS:

V. NUSSENZWEIG

M.W. TURNER

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Scope of the Journal

The JOURNAL OF IMMUNOLOGICAL METHODS is devoted to covering techniques for: (1) quantitating and detecting antibodies and/or antigens and haptens based on antigen-antibody interactions; (2) fractionating and purifying immunoglobulins, lymphokines and other molecules of the immune system; (3) isolating antigens and other substances important in immunological processes; (4) labelling antigens and antibodies with radioactive and other markers; (5) localizing antigens and/or antibodies in tissues and cells, in vivo or in vitro; (6) detecting, enumerating and fractionating immunocompetent cells; (7) assaying for cellular immunity; (8) detecting cell-surface antigens by cell-cell interactions; (9) initiating immunity and unresponsiveness; (10) transplanting tissues; (11) studying items closely related to immunity such as complement, reticuloendothelial system and others. In addition the journal will publish articles on novel methods for analysing the organisation, structure and expression of genes for immunologically important molecules such as immunoglobulins, T cell receptors and accessory molecules involved in antigen recognition, processing and presentation. Articles on the molecular biological analysis of immunologically relevant receptor binding sites are also invited. Submitted manuscripts should describe new methods of broad applicability to immunology and not simply the application of an established method to a particular substance.

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mB7-1
Recombinant vaccinia virus; I-A^k; Artificial antigen-presenting cell; Virology (Marti, W.R. (200) 191)

Bacillus subtilis
Recombinant DNA; *Escherichia coli*; Insect luciferase; Luminescence (Virta, M. (201) 215)

Bacterial expression
Leucine zipper; PelB leader sequence (Golden, A. (206) 163)

Bacterial expression system
Single chain Fv antibody fragment; Small scale culture (Kipriyanov, S.M. (200) 69)

Bactericidal
Permeability increasing protein; Antineutrophil cytoplasmic autoantibody; Enzyme linked immunosorbent assay (Schultz, H. (205) 127)

Baculovirus
Melanoma antigen; MART-1; Recombinant protein; Monoclonal antibody; Immunotherapy (Kawakami, Y. (202) 13)

Expression cloning; Surface antigen (Granziero, L. (203) 131)

Baker's asthma
Alpha-amylase; Sandwich enzyme-linked immunosorbent assay; *Aspergillus oryzae*; Monoclonal antibody; Allergen (Sander, I. (210) 93)

Basophil
RBL-2H3 cell; Mast cell; FcεRI; Collagenase; Cell isolation (Hamawy, M.M. (201) 11)

Basophils
Histamine releasing factors; Histamine releasing activity; Mononuclear cells; Concanavalin A; Serum free medium (Kampen, G.T. (210) 185)

B-cell epitope
Monoclonal antibody; Multiple antigen peptide; Specific antibodies; T-cell help (Ahlborg, N. (204) 23)

B cell stimulation
Autoantibody; Single B cell; Phage display; U1 RNA-associated protein (De Wildt, R.M.T. (207) 61)

Beaver
Giardia; Cyst; Microscopy; Flow cytometry; Immunofluorescence (Dixon, B.R. (202) 27)

Beta 2 microglobulin
C1 complement; Proteolysis; Purification (Nissen, M.H. (205) 29)

Beta 2-microglobulin
Immunofluorescence assay; Flow cytometry; Microspheres; Immunoassay (Bishop, J.E. (210) 79)

***β*-glucuronidase**
Immuno-PCR; *Escherichia coli* (Chang, T.C. (208) 35)

BIAcore
Affinity maturation; Antibody phage library; Combinatorial mutagenesis; Immunoaffinity separation; Single chain Fv (Pini, A. (206) 171)

Bidirectional transfer
SDS-PAGE; Immunoblotting (Kurien, B.T. (205) 91)

Binding assay
HLA-DR9; Peptide motif; ELISA; Biotinylated peptide (Fujisao, S. (201) 157)

CD23; FcεRII; Lectin; Cyclohexylamine (Sato, T. (209) 59)

Binding capacity
Antigen–antibody reactions; Antibody affinity; RIA; RIA models; Estradiol RIA; IgG RIA (Strohner, P. (203) 113)

Binding parameters
Effector/target conjugation; NK cell conjugation; NKL conjugation (Rubio, G. (209) 137)

Bioassay
IL-8; Standardization; Immunoassay (Mire-Sluis, A.R. (200) 1)

Relative potency; Statistical analysis; Immunoassay (Siev, D. (208) 131)

IL-18; Cytokine; Quantification (Konishi, K. (209) 187)

Bioavailability
Anti-diabetic; Immunoassay; Peroxisome proliferator-activated receptors (Bright, S.W. (207) 23)

Bioreactor
Bispecific antibodies; Purification; Hydrophobic interaction chromatography; Clinical grade (Manzke, O. (208) 65)

Biosensor
Surface plasmon resonance; Protein–protein interaction (Karlsson, R. (200) 121)

Biosensor assays
Humanized monoclonal antibody; Validation (Wong, R.L. (209) 1)

Biospecific interaction analysis
Erythrocyte; Immunoglobulin M; Concanavalin A; Surface plasmon resonance (Quinn, J.G. (206) 87)

Biotin
Anti-human gastrointestinal glutathione peroxidase; Anti-peptide antibody; Dextran; ELISA; Peptide conjugate (Böcher, M. (208) 191)

Streptavidin; Sugars (Houen, G. (210) 115)

Biotinylated peptide
HLA-DR9; Peptide motif; Binding assay; ELISA (Fujisao, S. (201) 157)

Biotinylation
Antibody purification; Affinity purification; Avidin; IgY (Lesley, S.A. (207) 147)

Bispecific antibodies
Purification; Hydrophobic interaction chromatography; Bioreactor; Clinical grade (Manzke, O. (208) 65)

Bispecific antibody
Enzyme linked immunosorbent assay; $F(ab')_2$ fragment; Alkaline phosphatase; Thyroid-stimulating hormone (Morimoto, K. (205) 81)

Blood samples
Polymorphonuclear leukocyte functions; Storage; Handling; Thermal stress (Egger, G. (206) 61)

B lymphocyte
Representational difference analysis; Differential display; cDNA subtraction (Frazer, J.K. (207) 1)

Bootstrap resampling
Skewness; Immune response; ELISA OD data; Merozoite surface protein; Normal parametric analysis (McGuinness, D. (201) 99)

Brain antigen
Autoantibody; Electrophoresis; Western blotting; Immunostaining; Protein G (Hu, G.R. (202) 113)

Breast cancer
Enzyme-linked immunosorbent assay; Urokinase plasminogen activator; Plasminogen activator inhibitor type-1; Complex; Invasion (Pedersen, A.N. (203) 55)

Breast cancer cell
Dissociation-enhanced lanthanide fluorescence immunoassay; Fluoroimmunoassay; Gross cystic disease fluid protein-24; Lipocalin (Knipping, G. (202) 85)

Bronchoalveolar lavage
Lipopolysaccharide; Endotoxin; Intranasal instillation; Pulmonary damage; Myeloperoxidase (Szarka, R.J. (202) 49)

Intracellular cytokine; Immunocytochemistry; Flow cytofluorimetry; Asthma; Sarcoidosis (Krouwels, F.H. (203) 89)

Bronchoalveolar lavage fluid
Solid phase; Covalent; Crotonic acid; Grafting; ELISA; IgE; Sarcoidosis (Larsson, P.H. (210) 41)

BSE
Prion protein; Scrapie; Antibody stimulation; Immunotolerance (Groschup, M.H. (207) 89)

Budesonide
Flow injection immunoassay; Displacement assay; Cortisol; Fluorescence; Amperometry (Kronkvist, K. (200) 145)

C

Calcium
Fluorescence microscopy; pH; Compensation; Quantification; Electron microscopy; Morphometry; Kinetic studies (Sabri, S. (208) 1)

Calreticulin
Peptide conjugation; Antibodies; Solid phase; Aluminium hydroxide; Alhydrogel; Carrier protein (Houen, G. (206) 125)

Cancer
Hsp70; Immunity; Infectious disease (Peng, P. (204) 13)

hCAP-18
ELISA; FALL39; Cathelicidin; Neutrophil; Antibacterial peptide (Sørensen, O. (206) 53)

Carbohydrate
Helicobacter spp.; SDS-PAGE; Silver stain; Protein (Keenan, J.I. (209) 17)

Carboxy terminal region
Monoclonal antibody; Human chorionic gonadotropin; Single-step solid-phase radioimmunoassay; Assembled epitope; Epitope mapping (Venkatesh, N. (202) 173)

Cardiotrophin-1
Monoclonal antibody; Leukemia inhibitory factor (LIF); LIF receptor; gp190; Ciliary neurotrophic factor; Oncostatin-M (Pitard, V. (205) 177)

Carrier protein
Peptide conjugation; Antibodies; Solid phase; Aluminium hydroxide; Alhydrogel; Calreticulin (Houen, G. (206) 125)

Cathelicidin
ELISA; hCAP-18; FALL39; Neutrophil; Antibacterial peptide (Sørensen, O. (206) 53)

Cathepsin H
ELISA; Monoclonal antibody; Melanoma (Schweiger, A. (201) 165)

Cbl
Neutrophil; Tyrosine phosphorylation; Lyn; Immunoblotting; Immunoprecipitation (Al-Shami, A. (202) 183)

CCD camera
Chemiluminescence; Lucigenin; Microplate; Neutrophils; Reactive oxygen species (Hasegawa, H. (210) 1)

C1 complement
Beta 2 microglobulin; Proteolysis; Purification (Nissen, M.H. (205) 29)

CD4
HIV; Magnetic cell separation; Expansion; Virology (Nielsen, S.D. (200) 107)

HIV-1; gp120; Purification; Iodination; Radioimmunoassay (Ferrer, M. (210) 215)

CD7
Desipramine; *Pichia pastoris*; Single chain Fv; Surface plasmon resonance (Eldin, P. (201) 67)

CD14
Macrophage; Lamina propria; Jejunum; Mucosal (Smith, P.D. (202) 1)

Monocyte; Isolation; Adhesion; Maturation (Bernardo, J. (209) 165)

CD16
Monocyte; Erythrocyte lysis; Ficoll purification; CD62L (Souques, F. (204) 153)

CD23
FcεRII; Lectin; Cyclohexylamine; Binding assay (Sato, T. (209) 59)

CD69
Activation antigens; Flow cytometry; Techniques (Craston, R. (209) 37)

CD11b
Polymorphonuclear neutrophil; Flow cytometry; Adhesion; Oxidative burst; Percoll (Zahler, S. (200) 173)

CD4 + cells
AIDS; Herpesvirus saimiri; Immortalization (Saha, K. (206) 21)

CD34$^+$ cells
Dendritic cells; IL-13; TNF α (Lopez, M. (208) 117)

CD62L
Monocyte; Erythrocyte lysis; Ficoll purification; CD16 (Souques, F. (204) 153)

CD62P
Platelet; Adhesion molecule; P-selectin; ELISA; Nitric oxide (Whiss, P.A. (200) 135)

CDR3 region
T-cell receptor; Quantitative PCR; Competitive PCR (Manfras, B.J. (210) 235)

CD8$^+$ T lymphocytes
Peptides; CMV; Influenza; ELISPOT assay; TNF-α; Image analysis (Herr, W. (203) 141)

Cell adhesion
Cytotoxic T lymphocyte; Chromium release assay; Peptide epitope; Non-radioactive (Leggatt, G.R. (201) 1)

Cell–cell contact
Apoptosis; T cell activation; Monocytes (Wu, M.X. (206) 153)

Cell cycle
Elutriation; Lymphocyte (Donaldson, K.L. (203) 25)

Cell display library
Human antibody; V gene; COS cell; Cell sorter; HBs antigen (Higuchi, K. (202) 193)

Cell isolation
RBL-2H3 cell; Mast cell; Basophil; FcεRI; Collagenase (Hamawy, M.M. (201) 11)

Cell proliferation
Alamar Blue; Suspension cell line; Monolayer cell line (Nakayama, G.R. (204) 205)

Alamar Blue; mRNA; Cytogenetics; Apoptosis (Zhi-Jun, Y. (210) 25)

Cellscan
Fluorescence polarization; T cell stimulation; Cytometry; Fluorescein diacetate (Kaplan, M.R. (201) 15)

Cell sorter
Human antibody; V gene; Cell display library; COS cell; HBs antigen (Higuchi, K. (202) 193)

Cell surface
Lymphocyte activation; Microspheres; T-lymphocytes; Ligands; Immobilization (Curtsinger, J. (209) 47)

Cell surface antigen
Phage display; Antibody; Antigen identification; Epidermal growth factor receptor (Pereira, S. (203) 11)

CEM-C7
Gene expression; Jurkat; X-gal; Electroporation; DNA vaccines (Sutherland, L.C. (207) 179)

Central nervous system
S-100b; ELISA; Cerebrospinal fluid (Green, A.J.E. (205) 35)

Cerebrospinal fluid
S-100b; ELISA; Central nervous system (Green, A.J.E. (205) 35)

Cervical–vaginal lavage
Female mucosal secretion; Wick; Sno-strip; Secretory immunoglobulin (Quesnel, A. (202) 153)

Chemiluminescence
Phagocytosis; Serogroup B meningococcus; Meningococcal antigen; Flow cytometry; Confocal laser scanning microscopy (Lehmann, A.K. (200) 55)

Lucigenin; CCD camera; Microplate; Neutrophils; Reactive oxygen species (Hasegawa, H. (210) 1)

Chemokine
Rabbit; Growth-related protein; Immunoassay; Lung; Cytokine (Kajikawa, O. (205) 135)

Chlamydia trachomatis
Antibody capture; Serological diagnosis; IgM (Poussin, M. (204) 1)

Cholera toxin B subunit
Fusion protein; Streptococcal protein G; Pentamerization; GM1 binding (Liljeqvist, S. (210) 125)

CHO transfectant
Minifermenter; Spheroid; Suspension culture (Schütt, C. (204) 99)

Chromatin structure
Apoptosis; Annexin-V; Flow cytometry (Ferlini, C. (205) 95)

Chromatography, hydrophobic interaction
Monoclonal antibody; IgG, bovine; Chromatography, protein A or G (Grunfeld, H. (201) 233)

Chromatography, protein A or G
Monoclonal antibody; IgG, bovine; Chromatography, hydrophobic interaction (Grunfeld, H. (201) 233)

Chromium release assay
Cytotoxic T lymphocyte; Cell adhesion; Peptide epitope; Non-radioactive (Leggatt, G.R. (201) 1)

Ciliary neurotrophic factor
Monoclonal antibody; Leukemia inhibitory factor (LIF); LIF receptor; gp190; Cardiotrophin-1; Oncostatin-M (Pitard, V. (205) 177)

Citrus tristeza virus
ELISA; Antigenic structure; Epitopes; Closterovirus (Nikolaeva, O.V. (206) 97)

Class I major histocompatibility complex
Cytotoxic T lymphocyte; Mammary tumor, mouse; Antigenic peptide (Wei, W.-Z. (200) 47)

Clinical grade
Bispecific antibodies; Purification; Hydrophobic interaction chromatography; Bioreactor (Manzke, O. (208) 65)

Clonal T cell marker
Experimental autoimmune encephalomyelitis; MBP-reactive T cell; T cell receptor (Sun, D. (207) 125)

Closterovirus
Citrus tristeza virus; ELISA; Antigenic structure; Epitopes (Nikolaeva, O.V. (206) 97)

CMV
$CD8^+$ T lymphocytes; Peptides; Influenza; ELISPOT assay; TNF-α; Image analysis (Herr, W. (203) 141)

Collagenase
RBL-2H3 cell; Mast cell; Basophil; FcεRI; Cell isolation (Hamawy, M.M. (201) 11)

Collagen-like
Ficolin; P35; Fibrinogen-like; GlcNAc (Le, Y. (204) 43)

Combinatorial mutagenesis
Affinity maturation; Antibody phage library; BIAcore; Immunoaffinity separation; Single chain Fv (Pini, A. (206) 171)

Compensation
Fluorescence microscopy; pH; Calcium; Quantification; Electron microscopy; Morphometry; Kinetic studies (Sabri, S. (208) 1)

Competitive PCR
T-cell receptor; CDR3 region; Quantitative PCR (Manfras, B.J. (210) 235)

Complement
Antibody; Cytotoxicity; Alamar blue (Gazzano-Santoro, H. (202) 163)

Heparin; Thrombospondin (Scott, P.E. (202) 213)

Immunoassay; Liposomes; Phospholipid; Mellitin (Rongen, H.A.H. (204) 105)

Complex
Enzyme-linked immunosorbent assay; Urokinase plasminogen activator; Plasminogen activator inhibitor type-1; Invasion; Breast cancer (Pedersen, A.N. (203) 55)

Concanavalin A
Erythrocyte; Immunoglobulin M; Surface plasmon resonance; Biospecific interaction analysis (Quinn, J.G. (206) 87)

Histamine releasing factors; Histamine releasing activity; Mononuclear cells; Basophils; Serum free medium (Kampen, G.T. (210) 185)

Conditional gene targeting
Cre recombinase; Monoclonal antibodies (Schwenk, F. (207) 203)

Confocal laser scanning microscopy
Phagocytosis; Serogroup B meningococcus; Meningococcal antigen; Flow cytometry; Chemiluminescence (Lehmann, A.K. (200) 55)

Contact sensitizer
Dendritic cell; Predictive test; MHC class II molecule; Receptor-mediated endocytosis; In vitro method (Becker, D. (203) 171)

Continuous elution electrophoresis
Plasmodium falciparum; Pf155/RESA; Purification; Gel filtration (Dubois, B. (208) 29)

Cortisol
Flow injection immunoassay; Displacement assay; Budesonide; Fluorescence; Amperometry (Kronkvist, K. (200) 145)

COS cell
Human antibody; V gene; Cell display library; Cell sorter; HBs antigen (Higuchi, K. (202) 193)

Counterimmunoelectrophoresis
Autoantibody; Autoantigen; Antinuclear antibody; Extractable nuclear antigen antibody; Immunodiffusion (Walravens, M.J.F. (201) 89)

Covalent
Solid phase; Crotonic acid; Grafting; ELISA; IgE; Bronchoalveolar lavage fluid; Sarcoidosis (Larsson, P.H. (210) 41)

Covalent modification
Immobilon AV; Dot-blot assay; 2,3-Dimethylmaleic anhydride (Morçöl, T. (203) 45)

Cre recombinase
Conditional gene targeting; Monoclonal antibodies (Schwenk, F. (207) 203)

Crotonic acid
Solid phase; Covalent; Grafting; ELISA; IgE; Bronchoalveolar lavage fluid; Sarcoidosis (Larsson, P.H. (210) 41)

Cryopreserved lymphocyte
Renal cell carcinoma; ELISPOT; IFN-α; IFN-γ; IL-2 (Sobota, V. (203) 1)

Cryptosporidium
SDS-PAGE; Immunoblotting; Enhanced chemiluminescence (Patel, S. (205) 157)

CTL activity
Human cytotoxic; T lymphocyte precursor; IL-7 (Lalvani, A. (210) 65)

CTL responses
Measles virus; PLG microparticles (Partidos, C.D. (206) 143)

Culture media
Self monitoring; Glucose meter; Tissue culture; Glucose concentration (Nayak, R.C. (205) 109)

Cut-off point
ND; ELISA; HI test; Two-graph receiver operating characteristic (TG-ROC) analysis; Sensitivity and specificity; Efficiency; Youden's index; Virology (Xu, H. (208) 61)

Cyclin-dependent kinase 2
Flow cytometry; Smooth muscle cell; Intracellular antigen; Signal transduction (Sindermann, J. (202) 205)

Cyclohexylamine
CD23; FcεRII; Lectin; Binding assay (Sato, T. (209) 59)

Cyst
Giardia; Beaver; Microscopy; Flow cytometry; Immunofluorescence (Dixon, B.R. (202) 27)

Cytogenetics
Alamar Blue; Cell proliferation; mRNA; Apoptosis (Zhi-Jun, Y. (210) 25)

Cytokine
Gene expression; T lymphocyte; RNA processing (Rolfe, F.G. (202) 143)

Acute phase reactant; Gene regulation; Inflammation; Inflammatory mediator assay (Uhlar, C.M. (203) 123)

Eosinophil; Superoxide anion; *N*-formyl-L-methionyl-L-leucyl-L-phenylalanine; Differentiation; Granulocyte (Zardini, D.M. (205) 1)

Human spleen; Slice culture; Proliferation (Skibinski, G. (205) 115)

Rabbit; Growth-related protein; Immunoassay; Lung; Chemokine (Kajikawa, O. (205) 135)

ELISA (Beech, J.T. (205) 163)

IL-18; IGIF; ELISA; Monoclonal antibody (Taniguchi, M. (206) 107)

Flow cytometry; Intracellular immunofluorescence; T lymphocyte (Jason, J. (207) 13)

IL-18; Bioassay; Quantification (Konishi, K. (209) 187)

ELISPOT; Human; Autoantigen (McCutcheon, M. (210) 149)

Cytokine production
Flow cytometry; DNA synthesis; Lymphocyte activation (Mehta, B.A. (208) 49)

Cytokines
Dendritic cells; Rhesus macaques (O'Doherty, U. (207) 185)

Pregnancy; Immunology; Placenta; Mononuclear cells; Lymphoproliferation (Moore, J.M. (209) 93)

Mouse; Periodate–lysine–paraformaldehyde fixation; Paraffin-embedded; Immunohistochemistry; Monoclonal antibodies (Whiteland, J.L. (210) 103)

RT-PCR quantitation; mRNA; Endothelial adhesion molecules; Inducible nitric oxide synthase; Mouse (Colle, J.-H. (210) 175)

RT PCR; Frozen blood samples; Quantitation; Kinetic; ABI PRISM 7700 Sequence Detector System (Kruse, N. (210) 195)

Cytometry
Cellscan; Fluorescence polarization; T cell stimulation; Fluorescein diacetate (Kaplan, M.R. (201) 15)

Cytotoxicity
Antibody; Complement; Alamar blue (Gazzano-Santoro, H. (202) 163)

Sulforhodamine B; Fixation; Adherent cell lines (Papazisis, K.T. (208) 151)

Fluorescent *Candida albicans*; Flow cytometry; Adhesion (Saresella, M. (210) 227)

Cytotoxicity assay
Reporter gene; Stable transfection; Enzyme release (Schäfer, H. (204) 89)

Cytotoxic T-cell
XTT assay; Limiting dilution analysis (Zauderer, M. (208) 85)

Cytotoxic T lymphocyte
Mammary tumor, mouse; Antigenic peptide; Class I major histocompatibility complex (Wei, W.-Z. (200) 47)

Cell adhesion; Chromium release assay; Peptide epitope; Non-radioactive (Leggatt, G.R. (201) 1)

Flow cytometry; 3,3′-Dioctadecyloxacarbocyanine perchlorate; $DiO_{18}(3)$ (Mattis, A.E. (204) 135)

Cytotoxic T-lymphocyte induction
Europium; Pseudorabies; Immunization route (Depierreux, C. (203) 77)

D

Denaturation
ELISA; Antigen; Aluminum hydroxide; Adjuvant (Houen, G. (200) 99)

Denaturing gradient gel electrophoresis
HLA antigen; mRNA; Reverse transcription-polymerase chain reaction (Liu, K. (203) 67)

Dendritic cell
Contact sensitizer; Predictive test; MHC class II molecule; Receptor-mediated endocytosis; In vitro method (Becker, D. (203) 171)

Dendritic cells
Rhesus macaques; Cytokines (O'Doherty, U. (207) 185)

IL-13; TNF α; $CD34^+$ cells (Lopez, M. (208) 117)

Deoxyribonucleic acid
Saliva; Polymerase chain reaction; FcγRIIA; FcγRIIIB; Genetic screening (Van Schie, R.C.A.A. (208) 91)

Desipramine
CD7; *Pichia pastoris*; Single chain Fv; Surface plasmon resonance (Eldin, P. (201) 67)

Dextran
Anti-human gastrointestinal glutathione peroxidase; Anti-peptide antibody; Biotin; ELISA; Peptide conjugate (Böcher, M. (208) 191)

Diabetic complications
Advanced glycation endproducts; ELISA; Normal human serum; Glycation (Mitsuhashi, T. (207) 79)

Diagnostics
Phage display; Peptide nucleic acid (PNA); Recombinant antibody (Hansen, M.H. (203) 199)

Differential display
Representational difference analysis; cDNA subtraction; B lymphocyte (Frazer, J.K. (207) 1)

Differentiation
Eosinophil; Superoxide anion; *N*-formyl-L-methionyl-L-leucyl-L-phenylalanine; Cytokine; Granulocyte (Zardini, D.M. (205) 1)

Digoxigenin
Non-competitive enzyme immunoassay; Flow injection; Theoretical model; Alkaline phosphatase; Fluorescence (Lövgren, U. (208) 159)

Dihydrotetramethylrosamine
Flow cytometry; Oxidative burst; Neutrophil (Model, M.A. (202) 105)

Dimeric
$(Fab')_2$; Periplasmic antibody fragment expression; Hinge sequence; Isotype; Tail piece; Human (Humphreys, D.P. (209) 193)

2,3-Dimethylmaleic anhydride
Covalent modification; Immobilon AV; Dot-blot assay (Morçöl, T. (203) 45)

$DiO_{18}(3)$
Flow cytometry; Cytotoxic T lymphocyte; 3,3′-Dioctadecyloxacarbocyanine perchlorate (Mattis, A.E. (204) 135)

3,3′-Dioctadecyloxacarbocyanine perchlorate
Flow cytometry; Cytotoxic T lymphocyte; $DiO_{18}(3)$ (Mattis, A.E. (204) 135)

Dipstick
K-*ras*; Oligonucleotide ligation assay; Screen; Amplification (Rothschild, C.B. (206) 11)

Displacement assay
Flow injection immunoassay; Cortisol; Budesonide; Fluorescence; Amperometry (Kronkvist, K. (200) 145)

Dissociating reagents
Flow immunosensor; Solid phase; Re-usability; Sensitivity; ELIFA (Morais, S. (208) 75)

Dissociation-enhanced lanthanide fluorescence immunoassay
Fluoroimmunoassay; Gross cystic disease fluid protein-24; Lipocalin; Breast cancer cell (Knipping, G. (202) 85)

cDNA subtraction
Representational difference analysis; Differential display; B lymphocyte (Frazer, J.K. (207) 1)

DNA synthesis
Flow cytometry; Cytokine production; Lymphocyte activation (Mehta, B.A. (208) 49)

DNA vaccines
Gene expression; CEM-C7; Jurkat; X-gal; Electroporation (Sutherland, L.C. (207) 179)

Dot-blot assay
Covalent modification; Immobilon AV; 2,3-Dimethylmaleic anhydride (Morçöl, T. (203) 45)

Down's syndrome
Pregnancy associated plasma protein A; Free beta subunit of human chorionic gonadotrophin; Time resolved fluorometry; Screening (Qin, Q. (205) 169)

Doxorubicin
Drug targeting; Humoral immunity; Immune suppression (Tardi, P.G. (210) 137)

Drug targeting
Humoral immunity; Doxorubicin; Immune suppression (Tardi, P.G. (210) 137)

DTH
Th1; Th2; LFA-1; IFN-γ; IL-4 (Ohta, A. (209) 85)

Dynabeads
ELISPOT; Antibody-secreting cell; Phenotype (Lakew, M. (203) 193)

Dynamic light scattering
Antibody; Particle enhanced assay; Angular anisotropy (Ortega-Vinuesa, J.L. (205) 151)

E

Effector / target conjugation
Binding parameters; NK cell conjugation; NKL conjugation (Rubio, G. (209) 137)

Efficiency
ND; ELISA; HI test; Cut-off point; Two-graph receiver operating characteristic (TG-ROC) analysis; Sensitivity and specificity; Youden's index; Virology (Xu, H. (208) 61)

Electochemiluminescence
Interferon alfa-2b; Serum; Immunoassay; ORIGEN (Obenauer-Kutner, L.J. (206) 25)

Electron microscopy
Fluorescence microscopy; pH; Calcium; Compensation; Quantification; Morphometry; Kinetic studies (Sabri, S. (208) 1)

Electrophoresis
Autoantibody; Brain antigen; Western blotting; Immunostaining; Protein G (Hu, G.R. (202) 113)

Electroporation
Transfection; T lymphocyte (Cron, R.Q. (205) 145)

Gene expression; CEM-C7; Jurkat; X-gal; DNA vaccines (Sutherland, L.C. (207) 179)

Eliciting peritoneal macrophage
Thioglycollate medium; Advanced glycation (Li, Y.M. (201) 183)

ELIFA
Flow immunosensor; Solid phase; Re-usability; Dissociating reagents; Sensitivity (Morais, S. (208) 75)

ELISA
Synthetic peptide; Human serum; Anti-HIV-1 antibody detection; Non-specific binding; Virology (Brown, L. (200) 79)

Antigen; Denaturation; Aluminum hydroxide; Adjuvant (Houen, G. (200) 99)

Von Willebrand factor; Inhibitor; Flow cytometry; Platelet (Stewart, M.W. (200) 113)

Platelet; Adhesion molecule; P-selectin; CD62P; Nitric oxide (Whiss, P.A. (200) 135)

Association rate constant (Hardy, F. (200) 155)

HLA-DR9; Peptide motif; Binding assay; Biotinylated peptide (Fujisao, S. (201) 157)

Cathepsin H; Monoclonal antibody; Melanoma (Schweiger, A. (201) 165)

Selectin; GlyCAM-1; Inflammation (Bertozzi, C.R. (203) 157)

RT-PCR; ELISPOT; Tumour necrosis factor alpha; Interferon gamma; Interleukin-4; Experimental murine model (Favre, N. (204) 57)

S-100b; Cerebrospinal fluid; Central nervous system (Green, A.J.E. (205) 35)

Affinity; Avidity; Monoclonal antibody; Antibody kinetics (McCloskey, N. (205) 67)

Cytokine (Beech, J.T. (205) 163)

hCAP-18; FALL39; Cathelicidin; Neutrophil; Antibacterial peptide (Sørensen, O. (206) 53)

Citrus tristeza virus; Antigenic structure; Epitopes; Closterovirus (Nikolaeva, O.V. (206) 97)

IL-18; IGIF; Monoclonal antibody; Cytokine (Taniguchi, M. (206) 107)

Advanced glycation endproducts; Diabetic complications; Normal human serum; Glycation (Mitsuhashi, T. (207) 79)

HIV-1; Quantitative analysis; Antibody titration (Palenzuela, D.O. (208) 43)

ND; HI test; Cut-off point; Two-graph receiver operating characteristic (TG-ROC) analysis; Sensitivity and specificity; Efficiency; Youden's index; Virology (Xu, H. (208) 61)

Mycoplasma fermentans; Glycophospholipid; AIDS; HIV-1; Antibody (Li, J.-L. (208) 103)

ε-aminocaproic acid; SLE; Epitope; Peptide; Ro/SSA (Pyun, J.-C. (208) 141)

Anti-human gastrointestinal glutathione peroxidase; Anti-peptide antibody; Biotin; Dextran; Peptide conjugate (Böcher, M. (208) 191)

ANCA; PR3-ANCA; MPO-ANCA; Indirect immunofluorescence (Wang, G. (208) 203)

Solid phase; Covalent; Crotonic acid; Grafting; IgE; Bronchoalveolar lavage fluid; Sarcoidosis (Larsson, P.H. (210) 41)

Hapten; Immobilization; Amino acids; Stereospecific antibody (Hofstetter, O. (210) 89)

ELISA OD data
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ELISPOT
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Renal cell carcinoma; Cryopreserved lymphocyte; IFN-α; IFN-γ; IL-2 (Sobota, V. (203) 1)

Dynabeads; Antibody-secreting cell; Phenotype (Lakew, M. (203) 193)

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Human; Cytokine; Autoantigen (McCutcheon, M. (210) 149)

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Endothelial adhesion molecules
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Endothelium
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Endotoxemia
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Endotoxin
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Enhanced chemiluminescence
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Enterobacter cloacae
Monoclonal antibody; Maltose binding protein; *Shigella dysenteriae*; *Salmonella typhimurium*; *Klebsiella pneumoniae* (Hsu, S.-C. (204) 169)

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Enzyme-linked immunosorbent assay
Urokinase plasminogen activator; Plasminogen activator inhibitor type-1; Complex; Invasion; Breast cancer (Pedersen, A.N. (203) 55)

Glutamic acid decarboxylase; Autoantibodies; Insulin-dependent diabetes mellitus; Radiobinding assay (Papouchado, M.L. (207) 169)

Enzyme linked immunosorbent assay
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Enzyme release
Cytotoxicity assay; Reporter gene; Stable transfection (Schäfer, H. (204) 89)

Factor H; Glyceraldehyde-3-phosphate dehydrogenase; ATP; Membrane damage (Corey, M.J. (207) 43)

Eosinophil
Hydrogen peroxide; Neutrophil; Scopoletin; Peroxidase; *N*-Acetyl-3,7-dihydroxyphenoxazine (Mohanty, J.G. (202) 133)

Superoxide anion; *N*-formyl-L-methionyl-L-leucyl-L-phenylalanine; Cytokine; Differentiation; Granulocyte (Zardini, D.M. (205) 1)

Epidermal growth factor receptor
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Epitope
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Epitope mapping
ACTH; Monoclonal antibody; Immunoradiometric assay (Kertesz, G. (200) 161)

Monoclonal antibody; Human chorionic gonadotropin; Single-step solid-phase radioimmunoassay; Assembled epitope; Carboxy terminal region (Venkatesh, N. (202) 173)

Phage display; Random peptide libraries; Gene-fragment phage display libraries; Peptide scan (Fack, F. (206) 43)

Epitopes
Citrus tristeza virus; ELISA; Antigenic structure; Closterovirus (Nikolaeva, O.V. (206) 97)

Epstein-Barr virus-vector
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Equilibrium dissociation constant
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erbB-2
Phage; Recombinant Fab; Human antibody; Membrane protein (Sawyer, C. (204) 193)

Erythrocyte
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Erythrocyte lysis
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Estradiol RIA
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Europium
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Europium chelate
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Expansion
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Experimental autoimmune encephalomyelitis
Clonal T cell marker; MBP-reactive T cell; T cell receptor (Sun, D. (207) 125)

Experimental murine model
RT-PCR; ELISPOT; ELISA; Tumour necrosis factor alpha; Interferon gamma; Interleukin-4 (Favre, N. (204) 57)

Expression cloning
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Expression vector
Polymerase chain reaction; Immunoglobulin expression; Antibody engineering (Norderhaug, L. (204) 77)

Extractable nuclear antigen antibody
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F

$(Fab')_2$
Dimeric; Periplasmic antibody fragment expression; Hinge sequence; Isotype; Tail piece; Human (Humphreys, D.P. (209) 193)

Fab fragment
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$F(ab')_2$ fragment
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FACS
My10; Equilibrium dissociation constant; NIH-3T3 cell (Benedict, C.A. (201) 223)

Factor H
Glyceraldehyde-3-phosphate dehydrogenase; ATP; Membrane damage; Enzyme release (Corey, M.J. (207) 43)

Factor VIII
hu-PBL-SCID mice; Variant FVIII; Tetanus toxoid; Haemophiliac (Laulan, A. (210) 205)

FALL39
ELISA; hCAP-18; Cathelicidin; Neutrophil; Antibacterial peptide (Sørensen, O. (206) 53)

Fas-ligand
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Fcγ receptors
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FcγRIIA
Saliva; Deoxyribonucleic acid; Polymerase chain reaction; FcγRIIB; Genetic screening (Van Schie, R.C.A.A. (208) 91)

FcγRIIIB
Saliva; Deoxyribonucleic acid; Polymerase chain reaction; FcγRIIA; Genetic screening (Van Schie, R.C.A.A. (208) 91)

FcεRI
RBL-2H3 cell; Mast cell; Basophil; Collagenase; Cell isolation (Hamawy, M.M. (201) 11)

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Feline foamy virus
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Female mucosal secretion
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Fibrinogen-like
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Fibronectin
Endothelium; Immunoassay; Plasminogen (Daramola, O.A. (202) 67)

Ficolin
P35; Fibrinogen-like; Collagen-like; GlcNAc (Le, Y. (204) 43)

Ficoll purification
Monocyte; Erythrocyte lysis; CD16; CD62L (Souques, F. (204) 153)

Filamentous actin
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Fixation
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Flow cytofluorimetry
Intracellular cytokine; Immunocytochemistry; Bronchoalveolar lavage; Asthma; Sarcoidosis (Krouwels, F.H. (203) 89)

Flow cytometry
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Intracellular cytokines (Carrock Sewell, W.A. (209) 67)

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Polymorphonuclear neutrophil; CD11b; Adhesion; Oxidative burst; Percoll (Zahler, S. (200) 173)

Opioid receptor; Receptor binding; Fluorescein; Phycoerythrin; Immunofluorescence (Lawrence, D.M.P. (201) 173)

Giardia; Cyst; Beaver; Microscopy; Immunofluorescence (Dixon, B.R. (202) 27)

Oxidative burst; Neutrophil; Dihydrotetramethylrosamine (Model, M.A. (202) 105)

Cyclin-dependent kinase 2; Smooth muscle cell; Intracellular antigen; Signal transduction (Sindermann, J. (202) 205)

β-Galactosidase; Transduction (Mouawad, R. (204) 51)

Cytotoxic T lymphocyte; 3,3′-Dioctadecyloxacarbocyanine perchlorate; $DiO_{18}(3)$ (Mattis, A.E. (204) 135)

LDS-751; Leukemia; Stem cell (Macey, M.G. (204) 175)

Apoptosis; Chromatin structure; Annexin-V (Ferlini, C. (205) 95)

Cytokine; Intracellular immunofluorescence; T lymphocyte (Jason, J. (207) 13)

Immunohistochemistry; Graft rejection; Homing; Vital dye (Oehen, S. (207) 33)

Alveolar macrophages; Two-color analysis (double staining); Autofluorescence (Weyde, J. (207) 115)

DNA synthesis; Cytokine production; Lymphocyte activation (Mehta, B.A. (208) 49)

CD69; Activation antigens; Techniques (Craston, R. (209) 37)

Apoptosis; Phenotype; Human lymphocytes; HIV (Lecoeur, H. (209) 111)

Platelets; Neutrophils; Adhesion molecules (Peters, M.J. (209) 125)

Immunofluorescence assay; Beta 2-microglobulin; Microspheres; Immunoassay (Bishop, J.E. (210) 79)

Cytotoxicity; Fluorescent *Candida albicans*; Adhesion (Saresella, M. (210) 227)

Flow immunosensor
Solid phase; Re-usability; Dissociating reagents; Sensitivity; ELIFA (Morais, S. (208) 75)

Flow injection
Non-competitive enzyme immunoassay; Theoretical model; Digoxigenin; Alkaline phosphatase; Fluorescence (Lövgren, U. (208) 159)

Flow injection immunoassay
Displacement assay; Cortisol; Budesonide; Fluorescence; Amperometry (Kronkvist, K. (200) 145)

Fluorescein
Flow cytometry; Opioid receptor; Receptor binding; Phycoerythrin; Immunofluorescence (Lawrence, D.M.P. (201) 173)

Fluorescein diacetate
Cellscan; Fluorescence polarization; T cell stimulation; Cytometry (Kaplan, M.R. (201) 15)

Fluorescence
Flow injection immunoassay; Displacement assay; Cortisol; Budesonide; Amperometry (Kronkvist, K. (200) 145)

Non-competitive enzyme immunoassay; Flow injection; Theoretical model; Digoxigenin; Alkaline phosphatase (Lövgren, U. (208) 159)

Fluorescence microscopy
pH; Calcium; Compensation; Quantification; Electron microscopy; Morphometry; Kinetic studies (Sabri, S. (208) 1)

Fluorescence polarization
Cellscan; T cell stimulation; Cytometry; Fluorescein diacetate (Kaplan, M.R. (201) 15)

Fluorescent *Candida albicans*
Cytotoxicity; Flow cytometry; Adhesion (Saresella, M. (210) 227)

Fluorogenic probe
T cell receptor; Human Vβ repertoire; PCR (Lang, R. (203) 181)

Fluoroimmunoassay
Dissociation-enhanced lanthanide fluorescence immunoassay; Gross cystic disease fluid protein-24; Lipocalin; Breast cancer cell (Knipping, G. (202) 85)

Fluorometric assay
Peptide binding; HLA class I; HLA class II (Ottenhoff, T.H.M. (200) 89)

Formyl-methionyl-leucyl-phenylalanine
Neutrophil; Filamentous actin; Whole-blood incubation method; Platelet-activating factor (Mineshita, M. (202) 59)

Free beta subunit of human chorionic gonadotrophin
Pregnancy associated plasma protein A; Time resolved fluorometry; Screening; Down's syndrome (Qin, Q. (205) 169)

Frozen blood samples
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Functional affinity
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Fusion protein
Streptococcal protein G; Antibody response; T cell response; Major histocompatibility complex class II restriction (Sjölander, A. (201) 115)

Cholera toxin B subunit; Streptococcal protein G; Pentamerization; GM1 binding (Liljeqvist, S. (210) 125)

scFv
Antibodies; Immunoglobulins; Antigens; Phage display; Malignant melanoma; In situ expression; Tissue sections; Immunohistochemistry (Tordsson, J. (210) 11)

G

***β*-Galactosidase**
Flow cytometry; Transduction (Mouawad, R. (204) 51)

Ganglioside
Lipoprotein; Immunization (Dumontet, C. (206) 115)

Gel filtration
Plasmodium falciparum; Pf155/RESA; Purification; Continuous elution electrophoresis (Dubois, B. (208) 29)

Gene expression
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CEM-C7; Jurkat; X-gal; Electroporation; DNA vaccines (Sutherland, L.C. (207) 179)

Gene-fragment phage display libraries
Epitope mapping; Phage display; Random peptide libraries; Peptide scan (Fack, F. (206) 43)

Gene regulation
Acute phase reactant; Cytokine; Inflammation; Inflammatory mediator assay (Uhlar, C.M. (203) 123)

Genetic screening
Saliva; Deoxyribonucleic acid; Polymerase chain reaction; FcγRIIA; FcγRIIIB (Van Schie, R.C.A.A. (208) 91)

Genotype
Fas-ligand; Gld mouse; Point mutation analysis; Allele-specific polymerase chain reaction (Hoek, R.M. (210) 109)

Giardia
Cyst; Beaver; Microscopy; Flow cytometry; Immunofluorescence (Dixon, B.R. (202) 27)

GlcNAc
Ficolin; P35; Fibrinogen-like; Collagen-like (Le, Y. (204) 43)

Gld mouse
Fas-ligand; Point mutation analysis; Genotype; Allele-specific polymerase chain reaction (Hoek, R.M. (210) 109)

Glioblastoma
γδT cells; Solid-phase anti-CD3 mAb; IL-2 (Yamaguchi, T. (205) 19)

Glucose concentration
Self monitoring; Glucose meter; Tissue culture; Culture media (Nayak, R.C. (205) 109)

Glucose meter
Self monitoring; Tissue culture; Glucose concentration; Culture media (Nayak, R.C. (205) 109)

Glutamic acid decarboxylase
Autoantibodies; Insulin-dependent diabetes mellitus; Enzyme-linked immunosorbent assay; Radiobinding assay (Papouchado, M.L. (207) 169)

Glutamic acid decarboxylase (GAD)
Anti-GAD65 autoantibodies; Solid-phase radioimmunoassay; Type 1 diabetes (Tiberti, C. (207) 107)

GlyCAM-1
ELISA; Selectin; Inflammation (Bertozzi, C.R. (203) 157)

Glycation
Advanced glycation endproducts; ELISA; Diabetic complications; Normal human serum (Mitsuhashi, T. (207) 79)

Glyceraldehyde-3-phosphate dehydrogenase
Factor H; ATP; Membrane damage; Enzyme release (Corey, M.J. (207) 43)

Glycophospholipid
Mycoplasma fermentans; ELISA; AIDS; HIV-1; Antibody (Li, J.-L. (208) 103)

Glycoprotein G4
T-lymphocyte; Antigen-dependent cell proliferation; Viral hemorrhagic septicemia virus; In vitro method; Trout (Estepa, A. (202) 77)

GM1 binding
Cholera toxin B subunit; Fusion protein; Streptococcal protein G; Pentamerization (Liljeqvist, S. (210) 125)

gp120
CD4; HIV-1; Purification; Iodination; Radioimmunoassay (Ferrer, M. (210) 215)

gp190
Monoclonal antibody; Leukemia inhibitory factor (LIF); LIF receptor; Ciliary neurotrophic factor; Cardiotrophin-1; Oncostatin-M (Pitard, V. (205) 177)

Grafting
Solid phase; Covalent; Crotonic acid; ELISA; IgE; Bronchoalveolar lavage fluid; Sarcoidosis (Larsson, P.H. (210) 41)

Graft rejection
Flow cytometry; Immunohistochemistry; Homing; Vital dye (Oehen, S. (207) 33)

Granulocyte
Eosinophil; Superoxide anion; *N*-formyl-L-methionyl-L-leucyl-L-phenylalanine; Cytokine; Differentiation (Zardini, D.M. (205) 1)

Gross cystic disease fluid protein-24
Dissociation-enhanced lanthanide fluorescence immunoassay; Fluoroimmunoassay; Lipocalin; Breast cancer cell (Knipping, G. (202) 85)

Growth factor
Human endothelial cell culture supernatant (HECS); Hybridoma; Antibody isotype (Greferath, R. (204) 189)

Growth-related protein
Rabbit; Immunoassay; Lung; Cytokine; Chemokine (Kajikawa, O. (205) 135)

H

pH
Fluorescence microscopy; Calcium; Compensation; Quantification; Electron microscopy; Morphometry; Kinetic studies (Sabri, S. (208) 1)

Haemophiliac
hu-PBL-SCID mice; Factor VIII; Variant FVIII; Tetanus toxoid (Laulan, A. (210) 205)

Haemophilus influenzae type b
Latex agglutination test; Ultrasonic standing wave; Meningitis diagnosis; Antigen detection; Immunoassay; Ultrasonic enhancement of immunoassay; *Streptococcus* group B; *Neisseria meningitis* ACY W135; *Neisseria meningitis*; *Streptococcus pneumoniae* (Jenkins, P. (205) 191)

Handling
Polymorphonuclear leukocyte functions; Blood samples; Storage; Thermal stress (Egger, G. (206) 61)

Hapten
ELISA; Immobilization; Amino acids; Stereospecific antibody (Hofstetter, O. (210) 89)

HBs antigen
Human antibody; V gene; Cell display library; COS cell; Cell sorter (Higuchi, K. (202) 193)

Helicobacter *spp.*
SDS-PAGE; Silver stain; Protein; Carbohydrate (Keenan, J.I. (209) 17)

Helper epitope
In vitro immunization; Isotype switch; V3 loop peptide; Antibody, human; IgG; Tetanus toxoid (Zafiropoulos, A. (200) 181)

Heparin
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Heparinase
Mast cell; RNA; Paper chromatography; RT-PCR; Histidine decarboxylase (Gilchrist, M. (201) 207)

Herpesvirus saimiri
CD4 + cells; AIDS; Immortalization (Saha, K. (206) 21)

[^{3}H]Glycerol
Lymphocyte; Homing (Constantin, G. (203) 35)

Hinge sequence
$(Fab')_2$; Dimeric; Periplasmic antibody fragment expression; Isotype; Tail piece; Human (Humphreys, D.P. (209) 193)

Histamine releasing activity
Histamine releasing factors; Mononuclear cells; Basophils; Concanavalin A; Serum free medium (Kampen, G.T. (210) 185)

Histamine releasing factors
Histamine releasing activity; Mononuclear cells; Basophils; Concanavalin A; Serum free medium (Kampen, G.T. (210) 185)

Histidine decarboxylase
Mast cell; RNA; Paper chromatography; Heparinase; RT-PCR (Gilchrist, M. (201) 207)

HI test
ND; ELISA; Cut-off point; Two-graph receiver operating characteristic (TG-ROC) analysis; Sensitivity and specificity; Efficiency; Youden's index; Virology (Xu, H. (208) 61)

HIV
CD4; Magnetic cell separation; Expansion; Virology (Nielsen, S.D. (200) 107)

Apoptosis; Flow cytometry; Phenotype; Human lymphocytes (Lecoeur, H. (209) 111)

HIV-1
HLA-A*0201; HLA-A*0301; Peptide binding; Unfolded heavy chain molecules (Tan, T.L.R. (205) 201)

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Mycoplasma fermentans; ELISA; Glycophospholipid; AIDS; Antibody (Li, J.-L. (208) 103)

CD4; gp120; Purification; Iodination; Radioimmunoassay (Ferrer, M. (210) 215)

HLA antigen
mRNA; Reverse transcription-polymerase chain reaction; Denaturing gradient gel electrophoresis (Liu, K. (203) 67)

HLA-A*0201
HIV-1; HLA-A*0301; Peptide binding; Unfolded heavy chain molecules (Tan, T.L.R. (205) 201)

HLA-A*0301
HIV-1; HLA-A*0201; Peptide binding; Unfolded heavy chain molecules (Tan, T.L.R. (205) 201)

HLA-B*2705
MHC I; Peptide binding; H-2K^k (Tan, L. (209) 25)

HLA class I
Fluorometric assay; Peptide binding; HLA class II (Ottenhoff, T.H.M. (200) 89)

HLA class II
Fluorometric assay; Peptide binding; HLA class I (Ottenhoff, T.H.M. (200) 89)

HLA-DR9
Peptide motif; Binding assay; ELISA; Biotinylated peptide (Fujisao, S. (201) 157)

Homing
[^{3}H]Glycerol; Lymphocyte (Constantin, G. (203) 35)

Flow cytometry; Immunohistochemistry; Graft rejection; Vital dye (Oehen, S. (207) 33)

Hsp70
Immunity; Cancer; Infectious disease (Peng, P. (204) 13)

Human
$(Fab')_2$; Dimeric; Periplasmic antibody fragment expression; Hinge sequence; Isotype; Tail piece (Humphreys, D.P. (209) 193)

ELISPOT; Cytokine; Autoantigen (McCutcheon, M. (210) 149)

Human antibody
V gene; Cell display library; COS cell; Cell sorter; HBs antigen (Higuchi, K. (202) 193)

Phage; Recombinant Fab; Membrane protein; erbB-2 (Sawyer, C. (204) 193)

Human chorionic gonadotropin
Monoclonal antibody; Single-step solid-phase radioimmunoassay; Assembled epitope; Carboxy terminal region; Epitope mapping (Venkatesh, N. (202) 173)

Human cytotoxic
T lymphocyte precursor; IL-7; CTL activity (Lalvani, A. (210) 65)

Human endothelial cell culture supernatant (HECS)
Growth factor; Hybridoma; Antibody isotype (Greferath, R. (204) 189)

Human IgG
Streptococcus protein G; Fab fragment (Perosa, F. (203) 153)

Human immunodeficiency virus type-1
Antibodies, monoclonal; Antibodies, enzyme-neutralizing; Immunization; Immunoglobulin, isotype; Reverse transcriptase; Vaccinia virus recombinants (Chiba, J. (207) 53)

Humanized monoclonal antibody
Biosensor assays; Validation (Wong, R.L. (209) 1)

Human lymphocytes
Apoptosis; Flow cytometry; Phenotype; HIV (Lecoeur, H. (209) 111)

Human monoclonal antibody
IgM purification; Pilot scale (Tornøe, I. (205) 11)

Human serum
ELISA; Synthetic peptide; Anti-HIV-1 antibody detection; Non-specific binding; Virology (Brown, L. (200) 79)

Human spleen
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Human Vβ repertoire
T cell receptor; PCR; Fluorogenic probe (Lang, R. (203) 181)

Humoral immunity
Drug targeting; Doxorubicin; Immune suppression (Tardi, P.G. (210) 137)

Hybridoma
Growth factor; Human endothelial cell culture supernatant (HECS); Antibody isotype (Greferath, R. (204) 189)

Hybridoma selection
Malignant melanoma; Monoclonal antibody (Barral, A.M. (203) 103)

Hydrogen peroxide
Eosinophil; Neutrophil; Scopoletin; Peroxidase; *N*-Acetyl-3,7-dihydroxyphenoxazine (Mohanty, J.G. (202) 133)

Hydrophobic interaction chromatography
Bispecific antibodies; Purification; Bioreactor; Clinical grade (Manzke, O. (208) 65)

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I-A^k
Recombinant vaccinia virus; mB7-1; Artificial antigen-presenting cell; Virology (Marti, W.R. (200) 191)

IFN-α
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IFN-γ
ELISPOT; IL-4; Kinetic study (Rönnelid, J. (200) 17)

Th1; Th2; DTH; LFA-1; IL-4 (Ohta, A. (209) 85)

Renal cell carcinoma; Cryopreserved lymphocyte; ELISPOT; IFN-α; IL-2 (Sobota, V. (203) 1)

IgE
Lectin; IgM; Mannose; *Artocarpus integer* (Lim, S.B. (209) 177)

Solid phase; Covalent; Crotonic acid; Grafting; ELISA; Bronchoalveolar lavage fluid; Sarcoidosis (Larsson, P.H. (210) 41)

IgG
In vitro immunization; Isotype switch; V3 loop peptide; Antibody, human; Tetanus toxoid; Helper epitope (Zafiropoulos, A. (200) 181)

Protein–protein interaction; Staphylococcal protein A; Streptococcal protein G (Jendeberg, L. (201) 25)

IgG, bovine
Monoclonal antibody; Chromatography, protein A or G; Chromatography, hydrophobic interaction (Grunfeld, H. (201) 233)

IgG RIA
Antigen–antibody reactions; Antibody affinity; RIA; Binding capacity; RIA models; Estradiol RIA (Strohner, P. (203) 113)

IGIF
IL-18; ELISA; Monoclonal antibody; Cytokine (Taniguchi, M. (206) 107)

IgM
Immunofixation; Agarose electrophoresis; Oligoclonal band (Rijcken, C.A.W. (203) 167)

Chlamydia trachomatis; Antibody capture; Serological diagnosis (Poussin, M. (204) 1)

Lectin; IgE; Mannose; *Artocarpus integer* (Lim, S.B. (209) 177)

IgM purification
Human monoclonal antibody; Pilot scale (Tornøe, I. (205) 11)

IgY
Antibody purification; Affinity purification; Biotinylation; Avidin (Lesley, S.A. (207) 147)

IL-2
Renal cell carcinoma; Cryopreserved lymphocyte; ELISPOT; IFN-α; IFN-γ (Sobota, V. (203) 1)

γδT cells; Solid-phase anti-CD3 mAb; Glioblastoma (Yamaguchi, T. (205) 19)

IL-4
ELISPOT; IFN-γ; Kinetic study (Rönnelid, J. (200) 17)

Th1; Th2; DTH; LFA-1; IFN-γ (Ohta, A. (209) 85)

IL-7
Human cytotoxic; T lymphocyte precursor; CTL activity (Lalvani, A. (210) 65)

IL-8
Standardization; Immunoassay; Bioassay (Mire-Sluis, A.R. (200) 1)

IL-13
Dendritic cells; TNF α; CD34$^+$ cells (Lopez, M. (208) 117)

IL-18
IGIF; ELISA; Monoclonal antibody; Cytokine (Taniguchi, M. (206) 107)

Bioassay; Cytokine; Quantification (Konishi, K. (209) 187)

Image analysis
CD8$^+$ T lymphocytes; Peptides; CMV; Influenza; ELISPOT assay; TNF-α (Herr, W. (203) 141)

Immobilization
Lymphocyte activation; Microspheres; Cell surface; T-lymphocytes; Ligands (Curtsinger, J. (209) 47)

ELISA; Hapten; Amino acids; Stereospecific antibody (Hofstetter, O. (210) 89)

Immobilized metal ion affinity chromatography
Yolk IgG; Subpopulations (Greene, C.R. (209) 155)

Immobilon AV
Covalent modification; Dot-blot assay; 2,3-Dimethylmaleic anhydride (Morçöl, T. (203) 45)

Immortalization
CD4 + cells; AIDS; Herpesvirus saimiri (Saha, K. (206) 21)

Immune response
Skewness; ELISA OD data; Merozoite surface protein; Normal parametric analysis; Bootstrap resampling (McGuinness, D. (201) 99)

Immune suppression
Drug targeting; Humoral immunity; Doxorubicin (Tardi, P.G. (210) 137)

Immunity
Hsp70; Cancer; Infectious disease (Peng, P. (204) 13)

Immunization
Ganglioside; Lipoprotein (Dumontet, C. (206) 115)

Antibodies, monoclonal; Antibodies, enzyme-neutralizing; Immunoglobulin, isotype; Human immunodeficiency virus type-1; Reverse transcriptase; Vaccinia virus recombinants (Chiba, J. (207) 53)

Immunization route
Europium; Pseudorabies; Cytotoxic T-lymphocyte induction (Depierreux, C. (203) 77)

Immunoadhesin
Adenovirus; Interleukin (Anglade, E. (202) 41)

Immunoaffinity separation
Affinity maturation; Antibody phage library; Combinatorial mutagenesis; BIAcore; Single chain Fv (Pini, A. (206) 171)

Immunoassay
IL-8; Standardization; Bioassay (Mire-Sluis, A.R. (200) 1)

Fibronectin; Endothelium; Plasminogen (Daramola, O.A. (202) 67)

Liposomes; Phospholipid; Complement; Mellitin (Rongen, H.A.H. (204) 105)

Rabbit; Growth-related protein; Lung; Cytokine; Chemokine (Kajikawa, O. (205) 135)

Latex agglutination test; Ultrasonic standing wave; Meningitis diagnosis; Antigen detection; Ultrasonic enhancement of immunoassay; *Streptococcus* group B; *Haemophilus influenzae* type b; *Neisseria meningitis* ACY W135; *Neisseria meningitis*; *Streptococcus pneumoniae* (Jenkins, P. (205) 191)

Interferon alfa-2b; Serum; Electochemiluminescence; ORIGEN (Obenauer-Kutner, L.J. (206) 25)

Anti-diabetic; Bioavailability; Peroxisome proliferator-activated receptors (Bright, S.W. (207) 23)

Relative potency; Statistical analysis; Bioassay (Siev, D. (208) 131)

Immunofluorescence assay; Flow cytometry; Beta 2-microglobulin; Microspheres (Bishop, J.E. (210) 79)

Immunoblotting
Neutrophil; Tyrosine phosphorylation; Cbl; Lyn; Immunoprecipitation (Al-Shami, A. (202) 183)

Bidirectional transfer; SDS-PAGE (Kurien, B.T. (205) 91)

SDS-PAGE; Enhanced chemiluminescence; *Cryptosporidium* (Patel, S. (205) 157)

Immunocytochemistry
Intracellular cytokine; Flow cytofluorimetry; Bronchoalveolar lavage; Asthma; Sarcoidosis (Krouwels, F.H. (203) 89)

Immunodiffusion
Autoantibody; Autoantigen; Antinuclear antibody; Extractable nuclear antigen antibody; Counterimmunoelectrophoresis (Walravens, M.J.F. (201) 89)

Immunofixation
Agarose electrophoresis; IgM; Oligoclonal band (Rijcken, C.A.W. (203) 167)

Immunofluorescence
Flow cytometry; Opioid receptor; Receptor binding; Fluorescein; Phycoerythrin (Lawrence, D.M.P. (201) 173)

Giardia; Cyst; Beaver; Microscopy; Flow cytometry (Dixon, B.R. (202) 27)

Immunofluorescence assay
Flow cytometry; Beta 2-microglobulin; Microspheres; Immunoassay (Bishop, J.E. (210) 79)

Immunoglobulin expression
Expression vector; Polymerase chain reaction; Antibody engineering (Norderhaug, L. (204) 77)

Immunoglobulin, isotype
Antibodies, monoclonal; Antibodies, enzyme-neutralizing; Immunization; Human immunodeficiency virus type-1; Reverse transcriptase; Vaccinia virus recombinants (Chiba, J. (207) 53)

Immunoglobulin M
Erythrocyte; Concanavalin A; Surface plasmon resonance; Biospecific interaction analysis (Quinn, J.G. (206) 87)

Immunoglobulins
scFv; Antibodies; Antigens; Phage display; Malignant melanoma; In situ expression; Tissue sections; Immunohistochemistry (Tordsson, J. (210) 11)

Immunohistochemistry
Flow cytometry; Graft rejection; Homing; Vital dye (Oehen, S. (207) 33)

scFv; Antibodies; Immunoglobulins; Antigens; Phage display; Malignant melanoma; In situ expression; Tissue sections (Tordsson, J. (210) 11)

Cytokines; Mouse; Periodate–lysine–paraformaldehyde fixation; Paraffin-embedded; Monoclonal antibodies (Whiteland, J.L. (210) 103)

Immunological reagent
Immunomodulation; Monoclonal antibody; Anti-virus; Anti-bacterium; SIgA (Bouige, P. (200) 27)

Immunology
Pregnancy; Placenta; Mononuclear cells; Lymphoproliferation; Cytokines (Moore, J.M. (209) 93)

Immunomodulation
Monoclonal antibody; Immunological reagent; Anti-virus; Anti-bacterium; SIgA (Bouige, P. (200) 27)

Immuno-PCR
β-glucuronidase; *Escherichia coli* (Chang, T.C. (208) 35)

Immunoprecipitation
Neutrophil; Tyrosine phosphorylation; Cbl; Lyn; Immunoblotting (Al-Shami, A. (202) 183)

Immunoradiometric assay
ACTH; Monoclonal antibody; Epitope mapping (Kertesz, G. (200) 161)

Immunostaining
Autoantibody; Brain antigen; Electrophoresis; Western blotting; Protein G (Hu, G.R. (202) 113)

Immunosuppressive
Therapeutic monitoring; Reporter-gene assay (Wenner, P.R. (201) 125)

Immunotherapy
Melanoma antigen; MART-1; Recombinant protein; Baculovirus; Monoclonal antibody (Kawakami, Y. (202) 13)

Immunotolerance
Prion protein; Scrapie; BSE; Antibody stimulation (Groschup, M.H. (207) 89)

Indirect immunofluorescence
ANCA; PR3-ANCA; MPO-ANCA; ELISA (Wang, G. (208) 203)

Inducible nitric oxide synthase
RT-PCR quantitation; mRNA; Cytokines; Endothelial adhesion molecules; Mouse (Colle, J.-H. (210) 175)

Infectious disease
Hsp70; Immunity; Cancer (Peng, P. (204) 13)

Inflammation
Acute phase reactant; Gene regulation; Cytokine; Inflammatory mediator assay (Uhlar, C.M. (203) 123)

ELISA; Selectin; GlyCAM-1 (Bertozzi, C.R. (203) 157)

Inflammatory mediator assay
Acute phase reactant; Gene regulation; Cytokine; Inflammation (Uhlar, C.M. (203) 123)

Influenza
Murine nasal-associated lymphoid tissue; Nasal lymphocyte; Mucosal immunity; Viral infection (Asanuma, H. (202) 123)

$CD8^+$ T lymphocytes; Peptides; CMV; ELISPOT assay; TNF-α; Image analysis (Herr, W. (203) 141)

ELISPOT; T cells; Peptide; Vaccines (Schmittel, A. (210) 167)

Inhibitor
Von Willebrand factor; ELISA; Flow cytometry; Platelet (Stewart, M.W. (200) 113)

Inorganic pyrophosphatase label
Enzyme immunoassay; β_2-Microglobulin (Peuravuori, H. (204) 161)

Insect luciferase
Recombinant DNA; *Escherichia coli*; *Bacillus subtilis*; Luminescence (Virta, M. (201) 215)

In situ expression
scFv; Antibodies; Immunoglobulins; Antigens; Phage display; Malignant melanoma; Tissue sections; Immunohistochemistry (Tordsson, J. (210) 11)

Insulin-dependent diabetes
Islet cell autoantibodies; Lanthanides; Europium chelate; Time-resolved fluorescence imaging (Rulli, M. (208) 169)

Insulin-dependent diabetes mellitus
Glutamic acid decarboxylase; Autoantibodies; Enzyme-linked immunosorbent assay; Radiobinding assay (Papouchado, M.L. (207) 169)

Interferon alfa-2b
Serum; Electochemiluminescence; Immunoassay; ORIGEN (Obenauer-Kutner, L.J. (206) 25)

Interferon gamma
RT-PCR; ELISPOT; ELISA; Tumour necrosis factor alpha; Interleukin-4; Experimental murine model (Favre, N. (204) 57)

Interleukin
Immunoadhesin; Adenovirus (Anglade, E. (202) 41)

Interleukin-4
RT-PCR; ELISPOT; ELISA; Tumour necrosis factor alpha; Interferon gamma; Experimental murine model (Favre, N. (204) 57)

Intracellular antigen
Flow cytometry; Cyclin-dependent kinase 2; Smooth muscle cell; Signal transduction (Sindermann, J. (202) 205)

Intracellular cytokine
Immunocytochemistry; Flow cytofluorimetry; Bronchoalveolar lavage; Asthma; Sarcoidosis (Krouwels, F.H. (203) 89)

Flow cytometry (Carrock Sewell, W.A. (209) 67)

Intracellular immunofluorescence
Flow cytometry; Cytokine; T lymphocyte (Jason, J. (207) 13)

Intranasal instillation
Lipopolysaccharide; Endotoxin; Pulmonary damage; Bronchoalveolar lavage; Myeloperoxidase (Szarka, R.J. (202) 49)

Invasion
Enzyme-linked immunosorbent assay; Urokinase plasminogen activator; Plasminogen activator inhibitor type-1; Complex; Breast cancer (Pedersen, A.N. (203) 55)

In vitro immunization
Isotype switch; V3 loop peptide; Antibody, human; IgG; Tetanus toxoid; Helper epitope (Zafiropoulos, A. (200) 181)

In vitro method
T-lymphocyte; Antigen-dependent cell proliferation; Viral hemorrhagic septicemia virus; Glycoprotein G4; Trout (Estepa, A. (202) 77)

Contact sensitizer; Dendritic cell; Predictive test; MHC class II molecule; Receptor-mediated endocytosis (Becker, D. (203) 171)

Iodination
CD4; HIV-1; gp120; Purification; Radioimmunoassay (Ferrer, M. (210) 215)

Iodixanol
Monocytes; Isolation; Technique; OptiPrep (Graziani-Bowering, G.M. (207) 157)

Islet cell autoantibodies
Insulin-dependent diabetes; Lanthanides; Europium chelate; Time-resolved fluorescence imaging (Rulli, M. (208) 169)

Isolation
Monocytes; Technique; OptiPrep; Iodixanol (Graziani-Bowering, G.M. (207) 157)

Monocyte; Adhesion; CD14; Maturation (Bernardo, J. (209) 165)

Isotype
$(Fab')_2$; Dimeric; Periplasmic antibody fragment expression; Hinge sequence; Tail piece; Human (Humphreys, D.P. (209) 193)

Isotype switch
In vitro immunization; V3 loop peptide; Antibody, human; IgG; Tetanus toxoid; Helper epitope (Zafiropoulos, A. (200) 181)

J

Jejunum
Macrophage; Lamina propria; Mucosal; CD14 (Smith, P.D. (202) 1)

Jurkat
Gene expression; CEM-C7; X-gal; Electroporation; DNA vaccines (Sutherland, L.C. (207) 179)

K

H-2K^k
MHC I; Peptide binding; HLA-B* 2705 (Tan, L. (209) 25)

Kinetic
Cytokines; RT PCR; Frozen blood samples; Quantitation; ABI PRISM 7700 Sequence Detector System (Kruse, N. (210) 195)

Kinetic studies
Fluorescence microscopy; pH; Calcium; Compensation; Quantification; Electron microscopy; Morphometry (Sabri, S. (208) 1)

Kinetic study
ELISPOT; IL-4; IFN-γ (Rönnelid, J. (200) 17)

Klebsiella pneumoniae
Monoclonal antibody; Maltose binding protein; *Shigella dysenteriae*; *Salmonella typhimurium*; *Enterobacter cloacae* (Hsu, S.-C. (204) 169)

K-*ras*
Oligonucleotide ligation assay; Screen; Dipstick; Amplification (Rothschild, C.B. (206) 11)

L

Label-free affinity probe
Antibody affinity; Affinity constant; Monoclonal anti-*s*-triazine antibody (Piehler, J. (201) 189)

Lactate dehydrogenase release assay
NK cell cytotoxicity (Konjević, G. (200) 199)

Lamina propria
Macrophage; Jejunum; Mucosal; CD14 (Smith, P.D. (202) 1)

Lanthanides
Insulin-dependent diabetes; Islet cell autoantibodies; Europium chelate; Time-resolved fluorescence imaging (Rulli, M. (208) 169)

Latex aggiutination test
Ultrasonic standing wave; Meningitis diagnosis; Antigen detection; Immunoassay; Ultrasonic enhancement of immunoassay; *Streptococcus* group B; *Haemophilus influenzae* type b; *Neisseria meningitis* ACY W135; *Neisseria meningitis*; *Streptococcus pneumoniae* (Jenkins, P. (205) 191)

LDS-751
Flow cytometry; Leukemia; Stem cell (Macey, M.G. (204) 175)

Lectin
CD23; FcεRII; Cyclohexylamine; Binding assay (Sato, T. (209) 59)

IgE; IgM; Mannose; *Artocarpus integer* (Lim, S.B. (209) 177)

Leucine zipper
Bacterial expression; PelB leader sequence (Golden, A. (206) 163)

Leukemia
Flow cytometry; LDS-751; Stem cell (Macey, M.G. (204) 175)

Leukemia inhibitory factor (LIF)
Monoclonal antibody; LIF receptor; gp190; Ciliary neurotrophic factor; Cardiotrophin-1; Oncostatin-M (Pitard, V. (205) 177)

LFA-1
Th1; Th2; DTH; IFN-γ; IL-4 (Ohta, A. (209) 85)

LIF receptor
Monoclonal antibody; Leukemia inhibitory factor (LIF); gp190; Ciliary neurotrophic factor; Cardiotrophin-1; Oncostatin-M (Pitard, V. (205) 177)

Ligands
Lymphocyte activation; Microspheres; Cell surface; T-lymphocytes; Immobilization (Curtsinger, J. (209) 47)

Limiting dilution analysis
Cytotoxic T-cell; XTT assay (Zauderer, M. (208) 85)

Limulus amoebocyte lysate
Monocytoid cell lines; Pyrogen test; Tumor necrosis factor; Lipopolysaccharide (Eperon, S. (207) 135)

Lipocalin
Dissociation-enhanced lanthanide fluorescence immunoassay; Fluoroimmunoassay; Gross cystic disease fluid protein-24; Breast cancer cell (Knipping, G. (202) 85)

Lipopolysaccharide
Endotoxin; Intranasal instillation; Pulmonary damage; Bronchoalveolar lavage; Myeloperoxidase (Szarka, R.J. (202) 49)

Matrix metalloproteinases; Tissue inhibitors of metalloproteinases; Endotoxemia; RNase protection assay (Pagenstecher, A. (206) 1)

Limulus amoebocyte lysate; Monocytoid cell lines; Pyrogen test; Tumor necrosis factor (Eperon, S. (207) 135)

Lipoprotein
Ganglioside; Immunization (Dumontet, C. (206) 115)

Liposomes
Immunoassay; Phospholipid; Complement; Mellitin (Rongen, H.A.H. (204) 105)

Lucigenin
Chemiluminescence; CCD camera; Microplate; Neutrophils; Reactive oxygen species (Hasegawa, H. (210) 1)

Luminescence
Recombinant DNA; *Escherichia coli*; *Bacillus subtilis*; Insect luciferase (Virta, M. (201) 215)

Lung
Rabbit; Growth-related protein; Immunoassay; Cytokine; Chemokine (Kajikawa, O. (205) 135)

Lymph
Lymph cell; Microsurgery; Thoracic duct; (Mouse) (Ionac, M. (202) 35)

Lymph cell
Lymph; Microsurgery; Thoracic duct; (Mouse) (Ionac, M. (202) 35)

Lymphocyte
Cell cycle; Elutriation (Donaldson, K.L. (203) 25)

[^{3}H]Glycerol; Homing (Constantin, G. (203) 35)

Lymphocyte activation
Flow cytometry; DNA synthesis; Cytokine production (Mehta, B.A. (208) 49)

Microspheres; Cell surface; T-lymphocytes; Ligands; Immobilization (Curtsinger, J. (209) 47)

Lymphoproliferation
Pregnancy; Immunology; Placenta; Mononuclear cells; Cytokines (Moore, J.M. (209) 93)

Lyn
Neutrophil; Tyrosine phosphorylation; Cbl; Immunoblotting; Immunoprecipitation (Al-Shami, A. (202) 183)

M

Macrophage
Lamina propria; Jejunum; Mucosal; CD14 (Smith, P.D. (202) 1)

Magnetic cell separation
CD4; HIV; Expansion; Virology (Nielsen, S.D. (200) 107)

Major histocompatibility complex class II restriction
Streptococcal protein G; Fusion protein; Antibody response; T cell response (Sjölander, A. (201) 115)

Malignant melanoma
Hybridoma selection; Monoclonal antibody (Barral, A.M. (203) 103)

scFv; Antibodies; Immunoglobulins; Antigens; Phage display; In situ expression; Tissue sections; Immunohistochemistry (Tordsson, J. (210) 11)

Maltose binding protein
Monoclonal antibody; *Shigella dysenteriae*; *Salmonella typhimurium*; *Enterobacter cloacae*; *Klebsiella pneumoniae* (Hsu, S.-C. (204) 169)

Mammary tumor, mouse
Cytotoxic T lymphocyte; Antigenic peptide; Class I major histocompatibility complex (Wei, W.-Z. (200) 47)

Mannose
Lectin; IgE; IgM; *Artocarpus integer* (Lim, S.B. (209) 177)

MART-1
Melanoma antigen; Recombinant protein; Baculovirus; Monoclonal antibody; Immunotherapy (Kawakami, Y. (202) 13)

Mast cell
RBL-2H3 cell; Basophil; FcεRI; Collagenase; Cell isolation (Hamawy, M.M. (201) 11)

RNA; Paper chromatography; Heparinase; RT-PCR; Histidine decarboxylase (Gilchrist, M. (201) 207)

Mathematical modelling
Radioimmunoassay; Sensitivity, monoclonal antibody; Optimisation; Affinity (O'Connor, T. (208) 181)

Matrix metalloproteinases
Tissue inhibitors of metalloproteinases; Endotoxemia; RNase protection assay; Lipopolysaccharide (Pagenstecher, A. (206) 1)

Maturation
Monocyte; Isolation; Adhesion; CD14 (Bernardo, J. (209) 165)

MBP-reactive T cell
Clonal T cell marker; Experimental autoimmune encephalomyelitis; T cell receptor (Sun, D. (207) 125)

Measles virus
CTL responses; PLG microparticles (Partidos, C.D. (206) 143)

Melanoma
Cathepsin H; ELISA; Monoclonal antibody (Schweiger, A. (201) 165)

Melanoma antigen
MART-1; Recombinant protein; Baculovirus; Monoclonal antibody; Immunotherapy (Kawakami, Y. (202) 13)

Mellitin
Immunoassay; Liposomes; Phospholipid; Complement (Rongen, H.A.H. (204) 105)

Membrane damage
Factor H; Glyceraldehyde-3-phosphate dehydrogenase; ATP; Enzyme release (Corey, M.J. (207) 43)

Membrane protein
Phage; Recombinant Fab; Human antibody; erbB-2 (Sawyer, C. (204) 193)

Meningitis diagnosis
Latex agglutination test; Ultrasonic standing wave; Antigen detection; Immunoassay; Ultrasonic enhancement of immunoassay; *Streptococcus* group B; *Haemophilus influenzae* type b; *Neisseria meningitis* ACY W135; *Neisseria meningitis*; *Streptococcus pneumoniae* (Jenkins, P. (205) 191)

Meningococcal antigen
Phagocytosis; Serogroup B meningococcus; Flow cytometry; Chemiluminescence; Confocal laser scanning microscopy (Lehmann, A.K. (200) 55)

Merozoite surface protein
Skewness; Immune response; ELISA OD data; Normal parametric analysis; Bootstrap resampling (McGuinness, D. (201) 99)

MHC
T lymphocyte; Superantigen; T cell receptor; Molecular biology (Wung, J.L. (204) 33)

MHC class II molecule
Contact sensitizer; Dendritic cell; Predictive test; Receptor-mediated endocytosis; In vitro method (Becker, D. (203) 171)

MHC I
Peptide binding; HLA-B*2705; H-2K^b (Tan, L. (209) 25)

β_2-Microglobulin
Inorganic pyrophosphatase label; Enzyme immunoassay (Peuravuori, H. (204) 161)

Microplate
Chemiluminescence; Lucigenin; CCD camera; Neutrophils; Reactive oxygen species (Hasegawa, H. (210) 1)

Microscopy
Giardia; Cyst; Beaver; Flow cytometry; Immunofluorescence (Dixon, B.R. (202) 27)

Microspheres
Lymphocyte activation; Cell surface; T-lymphocytes; Ligands; Immobilization (Curtsinger, J. (209) 47)

Immunofluorescence assay; Flow cytometry; Beta 2-microglobulin; Immunoassay (Bishop, J.E. (210) 79)

Microsurgery
Lymph; Lymph cell; Thoracic duct; (Mouse) (Ionac, M. (202) 35)

Minifermenter
CHO transfectant; Spheroid; Suspension culture (Schütt, C. (204) 99)

Molecular biology
T lymphocyte; MHC; Superantigen; T cell receptor (Wung, J.L. (204) 33)

Monoclonal antibodies
Conditional gene targeting; Cre recombinase (Schwenk, F. (207) 203)

Cytokines; Mouse; Periodate–lysine–paraformaldehyde fixation; Paraffin-embedded; Immunohistochemistry (Whiteland, J.L. (210) 103)

Monoclonal antibody
Immunomodulation; Immunological reagent; Anti-virus; Anti-bacterium; SIgA (Bouige, P. (200) 27)

ACTH; Epitope mapping; Immunoradiometric assay (Kertesz, G. (200) 161)

Phage display; Single-chain Fv; Antibody library (Krebber, A. (201) 35)

Cathepsin H; ELISA; Melanoma (Schweiger, A. (201) 165)

IgG, bovine; Chromatography, protein A or G; Chromatography, hydrophobic interaction (Grunfeld, H. (201) 233)

Melanoma antigen; MART-1; Recombinant protein; Baculovirus; Immunotherapy (Kawakami, Y. (202) 13)

Human chorionic gonadotropin; Single-step solid-phase radioimmunoassay; Assembled epitope; Carboxy terminal region; Epitope mapping (Venkatesh, N. (202) 173)

Malignant melanoma; Hybridoma selection (Barral, A.M. (203) 103)

B-cell epitope; Multiple antigen peptide; Specific antibodies; T-cell help (Ahlborg, N. (204) 23)

Maltose binding protein; *Shigella dysenteriae*; *Salmonella typhimurium*; *Enterobacter cloacae*; *Klebsiella pneumoniae* (Hsu, S.-C. (204) 169)

Affinity; Avidity; ELISA; Antibody kinetics (McCloskey, N. (205) 67)

Leukemia inhibitory factor (LIF); LIF receptor; gp190; Ciliary neurotrophic factor; Cardiotrophin-1; Oncostatin-M (Pitard, V. (205) 177)

Phage display; Repertoire cloning; Rh antigen; Red blood cell (Siegel, D.L. (206) 73)

IL-18; IGIF; ELISA; Cytokine (Taniguchi, M. (206) 107)

Anti-clonotype; T-cell receptor (Steenbakkers, P.G.A. (210) 51)

Alpha-amylase; Sandwich enzyme-linked immunosorbent assay; *Aspergillus oryzae*; Baker's asthma; Allergen (Sander, I. (210) 93)

Monoclonal anti-*s*-triazine antibody
Antibody affinity; Affinity constant; Label-free affinity probe (Piehler, J. (201) 189)

Monocyte
Erythrocyte lysis; Ficoll purification; CD16; CD62L (Souques, F. (204) 153)

Isolation; Adhesion; CD14; Maturation (Bernardo, J. (209) 165)

Monocytes
Apoptosis; T cell activation; Cell–cell contact (Wu, M.X. (206) 153)

Isolation; Technique; OptiPrep; Iodixanol (Graziani-Bowering, G.M. (207) 157)

Monocytoid cell lines
Limulus amoebocyte lysate; Pyrogen test; Tumor necrosis factor; Lipopolysaccharide (Eperon, S. (207) 135)

Monolayer cell line
Alamar Blue; Cell proliferation; Suspension cell line (Nakayama, G.R. (204) 205)

Mononuclear cells
Pregnancy; Immunology; Placenta; Lymphoproliferation; Cytokines (Moore, J.M. (209) 93)

Histamine releasing factors; Histamine releasing activity; Basophils; Concanavalin A; Serum free medium (Kampen, G.T. (210) 185)

Morphometry
Fluorescence microscopy; pH; Calcium; Compensation; Quantification; Electron microscopy; Kinetic studies (Sabri, S. (208) 1)

Mouse
Cytokines; Periodate–lysine–paraformaldehyde fixation; Paraffin-embedded; Immunohistochemistry; Monoclonal antibodies (Whiteland, J.L. (210) 103)

RT-PCR quantitation; mRNA; Cytokines; Endothelial adhesion molecules; Inducible nitric oxide synthase (Colle, J.-H. (210) 175)

MPO-ANCA
ANCA; PR3-ANCA; ELISA; Indirect immunofluorescence (Wang, G. (208) 203)

Mucosal
Macrophage; Lamina propria; Jejunum; CD14 (Smith, P.D. (202) 1)

Mucosal immunity
Murine nasal-associated lymphoid tissue; Nasal lymphocyte; Influenza; Viral infection (Asanuma, H. (202) 123)

Secretory immunoglobulin A; Serologic crossreactivity (Shearer, M.H. (204) 67)

Multiple antigen peptide
B-cell epitope; Monoclonal antibody; Specific antibodies; T-cell help (Ahlborg, N. (204) 23)

Multiple myelomatosis
Plasma cell; Syndecan-1 (Sun, R.-X. (205) 73)

Murine nasal-associated lymphoid tissue
Nasal lymphocyte; Mucosal immunity; Influenza; Viral infection (Asanuma, H. (202) 123)

My10
Equilibrium dissociation constant; NIH-3T3 cell; FACS (Benedict, C.A. (201) 223)

Mycoplasma fermentans
ELISA; Glycophospholipid; AIDS; HIV-1; Antibody (Li, J.-L. (208) 103)

Myeloperoxidase
Lipopolysaccharide; Endotoxin; Intranasal instillation; Pulmonary damage; Bronchoalveolar lavage (Szarka, R.J. (202) 49)

N

Nasal lymphocyte
Murine nasal-associated lymphoid tissue; Mucosal immunity; Influenza; Viral infection (Asanuma, H. (202) 123)

ND
ELISA; HI test; Cut-off point; Two-graph receiver operating characteristic (TG-ROC) analysis; Sensitivity and specificity; Efficiency; Youden's index; Virology (Xu, H. (208) 61)

Neisseria meningitis
Latex agglutination test; Ultrasonic standing wave; Meningitis diagnosis; Antigen detection; Immunoassay; Ultrasonic enhancement of immunoassay; *Streptococcus* group B; *Haemophilus influenzae* type b; *Neisseria meningitis* ACY W135; *Streptococcus pneumoniae* (Jenkins, P. (205) 191)

Neisseria meningitis ACY W135
Latex agglutination test; Ultrasonic standing wave; Meningitis diagnosis; Antigen detection; Immunoassay; Ultrasonic enhancement of immunoassay; *Streptococcus* group B; *Haemophilus influenzae* type b; *Neisseria meningitis*; *Streptococcus pneumoniae* (Jenkins, P. (205) 191)

Neutrophil
Filamentous actin; Whole-blood incubation method; Formyl-methionyl-leucyl-phenylalanine; Platelet-activating factor (Mineshita, M. (202) 59)

Flow cytometry; Oxidative burst; Dihydrotetramethylrosamine (Model, M.A. (202) 105)

Hydrogen peroxide; Eosinophil; Scopoletin; Peroxidase; *N*-Acetyl-3,7-dihydroxyphenoxazine (Mohanty, J.G. (202) 133)

Tyrosine phosphorylation; Cbl; Lyn; Immunoblotting; Immunoprecipitation (Al-Shami, A. (202) 183)

ELISA; hCAP-18; FALL39; Cathelicidin; Antibacterial peptide (Sørensen, O. (206) 53)

Neutrophils
Platelets; Adhesion molecules; Flow cytometry (Peters, M.J. (209) 125)

Chemiluminescence; Lucigenin; CCD camera; Microplate; Reactive oxygen species (Hasegawa, H. (210) 1)

N-formyl-L-methionyl-L-leucyl-L-phenylalanine
Eosinophil; Superoxide anion; Cytokine; Differentiation; Granulocyte (Zardini, D.M. (205) 1)

NIH-3T3 cell
My10; Equilibrium dissociation constant; FACS (Benedict, C.A. (201) 223)

Nitric oxide
Platelet; Adhesion molecule; P-selectin; CD62P; ELISA (Whiss, P.A. (200) 135)

NK cell conjugation
Effector/target conjugation; Binding parameters; NKL conjugation (Rubio, G. (209) 137)

NK cell cytotoxicity
Lactate dehydrogenase release assay (Konjević, G. (200) 199)

NKL conjugation
Effector/target conjugation; Binding parameters; NK cell conjugation (Rubio, G. (209) 137)

Non-competitive enzyme immunoassay
Flow injection; Theoretical model; Digoxigenin; Alkaline phosphatase; Fluorescence (Lövgren, U. (208) 159)

Non-radioactive
Cytotoxic T lymphocyte; Cell adhesion; Chromium release assay; Peptide epitope (Leggatt, G.R. (201) 1)

Non-specific binding
ELISA; Synthetic peptide; Human serum; Anti-HIV-1 antibody detection; Virology (Brown, L. (200) 79)

Normal human serum
Advanced glycation endproducts; ELISA; Diabetic complications; Glycation (Mitsuhashi, T. (207) 79)

Normal parametric analysis
Skewness; Immune response; ELISA OD data; Merozoite surface protein; Bootstrap resampling (McGuinness, D. (201) 99)

O

Oligoclonal band
Immunofixation; Agarose electrophoresis; IgM (Rijcken, C.A.W. (203) 167)

Oligonucleotide ligation assay
K-*ras*; Screen; Dipstick; Amplification (Rothschild, C.B. (206) 11)

Oncostatin-M
Monoclonal antibody; Leukemia inhibitory factor (LIF); LIF receptor; gp190; Ciliary neurotrophic factor; Cardiotrophin-1 (Pitard, V. (205) 177)

Opioid receptor
Flow cytometry; Receptor binding; Fluorescein; Phycoerythrin; Immunofluorescence (Lawrence, D.M.P. (201) 173)

Optimisation
Radioimmunoassay; Sensitivity, monoclonal antibody; Mathematical modelling; Affinity (O'Connor, T. (208) 181)

OptiPrep
Monocytes; Isolation; Technique; Iodixanol (Graziani-Bowering, G.M. (207) 157)

ORIGEN
Interferon alfa-2b; Serum; Electochemiluminescence; Immunoassay (Obenauer-Kutner, L.J. (206) 25)

Oxidative burst
Polymorphonuclear neutrophil; Flow cytometry; CD11b; Adhesion; Percoll (Zahler, S. (200) 173)

Flow cytometry; Neutrophil; Dihydrotetramethylrosamine (Model, M.A. (202) 105)

P

P35
Ficolin; Fibrinogen-like; Collagen-like; GlcNAc (Le, Y. (204) 43)

Paper chromatography
Mast cell; RNA; Heparinase; RT-PCR; Histidine decarboxylase (Gilchrist, M. (201) 207)

Paraffin-embedded
Cytokines; Mouse; Periodate–lysine–paraformaldehyde fixation; Immunohistochemistry; Monoclonal antibodies (Whiteland, J.L. (210) 103)

Particle counting immunoassay
Anti-toxoplasma IgG antibodies; Automated enzyme-immunoassay (Galanti, L.M. (207) 195)

Particle enhanced assay
Antibody; Dynamic light scattering; Angular anisotropy (Ortega-Vinuesa, J.L. (205) 151)

hu-PBL-SCID mice
Factor VIII; Variant FVIII; Tetanus toxoid; Haemophiliac (Laulan, A. (210) 205)

PCR
T cell receptor; Human Vβ repertoire; Fluorogenic probe (Lang, R. (203) 181)

PelB leader sequence
Bacterial expression; Leucine zipper (Golden, A. (206) 163)

Pentamerization
Cholera toxin B subunit; Fusion protein; Streptococcal protein G; GM1 binding (Liljeqvist, S. (210) 125)

Peptide
ELISA; ε-aminocaproic acid; SLE; Epitope; Ro/SSA (Pyun, J.-C. (208) 141)

ELISPOT; T cells; Influenza; Vaccines (Schmittel, A. (210) 167)

Peptide binding
Fluorometric assay; HLA class I; HLA class II (Ottenhoff, T.H.M. (200) 89)

HIV-1; HLA-A*0201; HLA-A*0301; Unfolded heavy chain molecules (Tan, T.L.R. (205) 201)

MHC I; HLA-B*2705; H-2K^k (Tan, L. (209) 25)

Peptide conjugate
Anti-human gastrointestinal glutathione peroxidase; Anti-peptide antibody; Biotin; Dextran; ELISA (Böcher, M. (208) 191)

Peptide conjugation
Antibodies; Solid phase; Aluminium hydroxide; Alhydrogel; Carrier protein; Calreticulin (Houen, G. (206) 125)

Peptide epitope
Cytotoxic T lymphocyte; Cell adhesion; Chromium release assay; Non-radioactive (Leggatt, G.R. (201) 1)

Peptide linker
Single-chain Fv; Refolding; Prokaryotic expression; Recombinant protein; Antibody engineering (Turner, D.J. (205) 43)

Peptide motif
HLA-DR9; Binding assay; ELISA; Biotinylated peptide (Fujisao, S. (201) 157)

Peptide nucleic acid (PNA)
Phage display; Recombinant antibody; Diagnostics (Hansen, M.H. (203) 199)

Peptides
CD8$^+$ T lymphocytes; CMV; Influenza; ELISPOT assay; TNF-α; Image analysis (Herr, W. (203) 141)

Peptide scan
Epitope mapping; Phage display; Random peptide libraries; Gene-fragment phage display libraries (Fack, F. (206) 43)

Percoll
Polymorphonuclear neutrophil; Flow cytometry; CD11b; Adhesion; Oxidative burst (Zahler, S. (200) 173)

Perfusion immunoassay
Anti-HBsAg IgM (Brackett, J.M. (200) 39)

Periodate–lysine–paraformaldehyde fixation
Cytokines; Mouse; Paraffin-embedded; Immunohistochemistry; Monoclonal antibodies (Whiteland, J.L. (210) 103)

Periplasmic antibody fragment expression
$(Fab')_2$; Dimeric; Hinge sequence; Isotype; Tail piece; Human (Humphreys, D.P. (209) 193)

Permeability increasing protein
Bactericidal; Antineutrophil cytoplasmic autoantibody; Enzyme linked immunosorbent assay (Schultz, H. (205) 127)

Peroxidase
Hydrogen peroxide; Eosinophil; Neutrophil; Scopoletin; *N*-Acetyl-3,7-dihydroxyphenoxazine (Mohanty, J.G. (202) 133)

Peroxisome proliferator-activated receptors
Anti-diabetic; Immunoassay; Bioavailability (Bright, S.W. (207) 23)

Pf155/RESA
Plasmodium falciparum; Purification; Gel filtration; Continuous elution electrophoresis (Dubois, B. (208) 29)

Phage
Recombinant Fab; Human antibody; Membrane protein; erbB-2 (Sawyer, C. (204) 193)

Phage display
Single-chain Fv; Monoclonal antibody; Antibody library (Krebber, A. (201) 35)

Antibody; Antigen identification; Cell surface antigen; Epidermal growth factor receptor (Pereira, S. (203) 11)

Peptide nucleic acid (PNA); Recombinant antibody; Diagnostics (Hansen, M.H. (203) 199)

Epitope mapping; Random peptide libraries; Gene-fragment phage display libraries; Peptide scan (Fack, F. (206) 43)

Repertoire cloning; Monoclonal antibody; Rh antigen; Red blood cell (Siegel, D.L. (206) 73)

Autoantibody; B cell stimulation; Single B cell; U1 RNA-associated protein (De Wildt, R.M.T. (207) 61)

Antibody repertoires; Single chain Fv; Selection (Wind, T. (209) 75)

scFv; Antibodies; Immunoglobulins; Antigens; Malignant melanoma; In situ expression; Tissue sections; Immunohistochemistry (Tordsson, J. (210) 11)

Phagocytosis
Serogroup B meningococcus; Meningococcal antigen; Flow cytometry; Chemiluminescence; Confocal laser scanning microscopy (Lehmann, A.K. (200) 55)

Fcγ receptors; PKH26 (Pricop, L. (205) 55)

Phenotype
ELISPOT; Dynabeads; Antibody-secreting cell (Lakew, M. (203) 193)

Apoptosis; Flow cytometry; Human lymphocytes; HIV (Lecoeur, H. (209) 111)

Phospholipid
Immunoassay; Liposomes; Complement; Mellitin (Rongen, H.A.H. (204) 105)

Photoaffinity labeling
Antibody; Site-specific biotinylation (Pavlinkova, G. (201) 77)

Phycoerythrin
Flow cytometry; Opioid receptor; Receptor binding; Fluorescein; Immunofluorescence (Lawrence, D.M.P. (201) 173)

Pichia pastoris
CD7; Desipramine; Single chain Fv; Surface plasmon resonance (Eldin, P. (201) 67)

Pilot scale
Human monoclonal antibody; IgM purification (Tornøe, I. (205) 11)

PKH26
Fcγ receptors; Phagocytosis (Pricop, L. (205) 55)

Placenta
Pregnancy; Immunology; Mononuclear cells; Lymphoproliferation; Cytokines (Moore, J.M. (209) 93)

Plasma cell
Multiple myelomatosis; Syndecan-1 (Sun, R.-X. (205) 73)

Plasminogen
Fibronectin; Endothelium; Immunoassay (Daramola, O.A. (202) 67)

Plasminogen activator inhibitor type-1
Enzyme-linked immunosorbent assay; Urokinase plasminogen activator; Complex; Invasion; Breast cancer (Pedersen, A.N. (203) 55)

Plasmodium falciparum
Pf155/RESA; Purification; Gel filtration; Continuous elution electrophoresis (Dubois, B. (208) 29)

Platelet
Von Willebrand factor; Inhibitor; ELISA; Flow cytometry (Stewart, M.W. (200) 113)

Adhesion molecule; P-selectin; CD62P; ELISA; Nitric oxide (Whiss, P.A. (200) 135)

Platelet-activating factor
Neutrophil; Filamentous actin; Whole-blood incubation method; Formyl-methionyl-leucyl-phenylalanine (Mineshita, M. (202) 59)

Platelets
Neutrophils; Adhesion molecules; Flow cytometry (Peters, M.J. (209) 125)

PLG microparticles
CTL responses; Measles virus (Partidos, C.D. (206) 143)

Point mutation analysis
Fas-ligand; Gld mouse; Genotype; Allele-specific polymerase chain reaction (Hoek, R.M. (210) 109)

Polymerase chain reaction
Expression vector; Immunoglobulin expression; Antibody engineering (Norderhaug, L. (204) 77)

Saliva; Deoxyribonucleic acid; FcγRIIA; FcγRIIIB; Genetic screening (Van Schie, R.C.A.A. (208) 91)

Polymorphonuclear leukocyte functions
Blood samples; Storage; Handling; Thermal stress (Egger, G. (206) 61)

Polymorphonuclear neutrophil
Flow cytometry; CD11b; Adhesion; Oxidative burst; Percoll (Zahler, S. (200) 173)

PR3-ANCA
ANCA; MPO-ANCA; ELISA; Indirect immunofluorescence (Wang, G. (208) 203)

Predictive test
Contact sensitizer; Dendritic cell; MHC class II molecule; Receptor-mediated endocytosis; In vitro method (Becker, D. (203) 171)

Pregnancy
Immunology; Placenta; Mononuclear cells; Lymphoproliferation; Cytokines (Moore, J.M. (209) 93)

Pregnancy associated plasma protein A
Free beta subunit of human chorionic gonadotrophin; Time resolved fluorometry; Screening; Down's syndrome (Qin, Q. (205) 169)

Prion protein
Scrapie; BSE; Antibody stimulation; Immunotolerance (Groschup, M.H. (207) 89)

Prokaryotic expression
Single-chain Fv; Peptide linker; Refolding; Recombinant protein; Antibody engineering (Turner, D.J. (205) 43)

Proliferation
Human spleen; Slice culture; Cytokine (Skibinski, G. (205) 115)

Protein
Helicobacter spp.; SDS-PAGE; Silver stain; Carbohydrate (Keenan, J.I. (209) 17)

Proteinase 3
Anti-neutrophil cytoplasm antibodies; Wegener's granulomatosis; Autoantigen (Stummann, L. (206) 35)

Protein G
Autoantibody; Brain antigen; Electrophoresis; Western blotting; Immunostaining (Hu, G.R. (202) 113)

Protein–protein interaction
Surface plasmon resonance; Biosensor (Karlsson, R. (200) 121)

IgG; Staphylococcal protein A; Streptococcal protein G (Jendeberg, L. (201) 25)

Proteolysis
Beta 2 microglobulin; C1 complement; Purification (Nissen, M.H. (205) 29)

P-selectin
Platelet; Adhesion molecule; CD62P; ELISA; Nitric oxide (Whiss, P.A. (200) 135)

Pseudorabies
Europium; Immunization route; Cytotoxic T-lymphocyte induction (Depierreux, C. (203) 77)

Pulmonary damage
Lipopolysaccharide; Endotoxin; Intranasal instillation; Bronchoalveolar lavage; Myeloperoxidase (Szarka, R.J. (202) 49)

Purification
Beta 2 microglobulin; C1 complement; Proteolysis (Nissen, M.H. (205) 29)

Plasmodium falciparum; Pf155/RESA; Gel filtration; Continuous elution electrophoresis (Dubois, B. (208) 29)

Bispecific antibodies; Hydrophobic interaction chromatography; Bioreactor; Clinical grade (Manzke, O. (208) 65)

CD4; HIV-1; gp120; Iodination; Radioimmunoassay (Ferrer, M. (210) 215)

Pyrogen test
Limulus amoebocyte lysate; Monocytoid cell lines; Tumor necrosis factor; Lipopolysaccharide (Eperon, S. (207) 135)

Q

Quadroma
Antibody distribution; Affinity chromatography; Radioimmunoassay; Two-dimensional electrophoresis (Massino, Y.S. (201) 57)

Quantification
Fluorescence microscopy; pH; Calcium; Compensation; Electron microscopy; Morphometry; Kinetic studies (Sabri, S. (208) 1)

IL-18; Bioassay; Cytokine (Konishi, K. (209) 187)

Quantitation
Cytokines; RT PCR; Frozen blood samples; Kinetic; ABI PRISM 7700 Sequence Detector System (Kruse, N. (210) 195)

Quantitative analysis
HIV-1; Antibody titration; ELISA (Palenzuela, D.O. (208) 43)

Quantitative PCR
T-cell receptor; CDR3 region; Competitive PCR (Manfras, B.J. (210) 235)

R

Rabbit
Growth-related protein; Immunoassay; Lung; Cytokine; Chemokine (Kajikawa, O. (205) 135)

Radiobinding assay
Glutamic acid decarboxylase; Autoantibodies; Insulin-dependent diabetes mellitus; Enzyme-linked immunosorbent assay (Papouchado, M.L. (207) 169)

Radioimmunoassay
Quadroma; Antibody distribution; Affinity chromatography; Two-dimensional electrophoresis (Massino, Y.S. (201) 57)

Sensitivity, monoclonal antibody; Optimisation; Mathematical modelling; Affinity (O'Connor, T. (208) 181)

CD4; HIV-1; gp120; Purification; Iodination (Ferrer, M. (210) 215)

Random peptide libraries
Epitope mapping; Phage display; Gene-fragment phage display libraries; Peptide scan (Fack, F. (206) 43)

RBL-2H3 cell
Mast cell; Basophil; Fc εRI; Collagenase; Cell isolation (Hamawy, M.M. (201) 11)

Reactive oxygen species
Chemiluminescence; Lucigenin; CCD camera; Microplate; Neutrophils (Hasegawa, H. (210) 1)

Receptor binding
Flow cytometry; Opioid receptor; Fluorescein; Phycoerythrin; Immunofluorescence (Lawrence, D.M.P. (201) 173)

Receptor-mediated endocytosis
Contact sensitizer; Dendritic cell; Predictive test; MHC class II molecule; In vitro method (Becker, D. (203) 171)

Recombinant antibody
Phage display; Peptide nucleic acid (PNA); Diagnostics (Hansen, M.H. (203) 199)

Recombinant biotinylated protein
Enzyme immunoassay; Feline foamy virus (Winkler, I.G. (207) 69)

Recombinant DNA
Escherichia coli; *Bacillus subtilis*; Insect luciferase; Luminescence (Virta, M. (201) 215)

Recombinant Fab
Phage; Human antibody; Membrane protein; erbB-2 (Sawyer, C. (204) 193)

Recombinant protein
Melanoma antigen; MART-1; Baculovirus; Monoclonal antibody; Immunotherapy (Kawakami, Y. (202) 13)

Single-chain Fv; Peptide linker; Refolding; Prokaryotic expression; Antibody engineering (Turner, D.J. (205) 43)

Recombinant vaccinia virus
I-A^k; mB7-1; Artificial antigen-presenting cell; Virology (Marti, W.R. (200) 191)

Red blood cell
Phage display; Repertoire cloning; Monoclonal antibody; Rh antigen (Siegel, D.L. (206) 73)

Refolding
Single-chain Fv; Peptide linker; Prokaryotic expression; Recombinant protein; Antibody engineering (Turner, D.J. (205) 43)

Regression analysis
Affinity; Solid-phase (Larsson, Å. (206) 135)

Relative potency
Statistical analysis; Immunoassay; Bioassay (Siev, D. (208) 131)

Renal cell carcinoma
Cryopreserved lymphocyte; ELISPOT; IFN-α; IFN-γ; IL-2 (Sobota, V. (203) 1)

Repertoire cloning
Phage display; Monoclonal antibody; Rh antigen; Red blood cell (Siegel, D.L. (206) 73)

Reporter gene
Cytotoxicity assay; Stable transfection; Enzyme release (Schäfer, H. (204) 89)

Reporter-gene assay
Immunosuppressive; Therapeutic monitoring (Wenner, P.R. (201) 125)

Representational difference analysis
Differential display; cDNA subtraction; B lymphocyte (Frazer, J.K. (207) 1)

Re-usability
Flow immunosensor; Solid phase; Dissociating reagents; Sensitivity; ELIFA (Morais, S. (208) 75)

Reverse dot blot hybridization
TCR α and β chain variable region; Adaptor ligation-mediated PCR (Yoshioka, T. (201) 145)

Reverse transcriptase
Antibodies, monoclonal; Antibodies, enzyme-neutralizing; Immunization; Immunoglobulin, isotype; Human immunodeficiency virus type-1; Vaccinia virus recombinants (Chiba, J. (207) 53)

Reverse transcription-polymerase chain reaction
HLA antigen; mRNA; Denaturing gradient gel electrophoresis (Liu, K. (203) 67)

Rh antigen
Phage display; Repertoire cloning; Monoclonal antibody; Red blood cell (Siegel, D.L. (206) 73)

Rhesus macaques
Dendritic cells; Cytokines (O'Doherty, U. (207) 185)

RIA
Antigen–antibody reactions; Antibody affinity; Binding capacity; RIA models; Estradiol RIA; IgG RIA (Strohner, P. (203) 113)

RIA models
Antigen–antibody reactions; Antibody affinity; RIA; Binding capacity; Estradiol RIA; IgG RIA (Strohner, P. (203) 113)

RNA
Mast cell; Paper chromatography; Heparinase; RT-PCR; Histidine decarboxylase (Gilchrist, M. (201) 207)

mRNA
HLA antigen; Reverse transcription-polymerase chain reaction; Denaturing gradient gel electrophoresis (Liu, K. (203) 67)

Alamar Blue; Cell proliferation; Cytogenetics; Apoptosis (Zhi-Jun, Y. (210) 25)

RT-PCR quantitation; Cytokines; Endothelial adhesion molecules; Inducible nitric oxide synthase; Mouse (Colle, J.-H. (210) 175)

RNA processing
Cytokine; Gene expression; T lymphocyte (Rolfe, F.G. (202) 143)

RNase protection assay
Matrix metalloproteinases; Tissue inhibitors of metalloproteinases; Endotoxemia; Lipopolysaccharide (Pagenstecher, A. (206) 1)

Ro/SSA
ELISA; ε-aminocaproic acid; SLE; Epitope; Peptide (Pyun, J.-C. (208) 141)

RT-PCR
Mast cell; RNA; Paper chromatography; Heparinase; Histidine decarboxylase (Gilchrist, M. (201) 207)

ELISPOT; ELISA; Tumour necrosis factor alpha; Interferon gamma; Interleukin-4; Experimental murine model (Favre, N. (204) 57)

RT PCR
Cytokines; Frozen blood samples; Quantitation; Kinetic; ABI PRISM 7700 Sequence Detector System (Kruse, N. (210) 195)

RT-PCR quantitation
mRNA; Cytokines; Endothelial adhesion molecules; Inducible nitric oxide synthase; Mouse (Colle, J.-H. (210) 175)

S

Saliva
Deoxyribonucleic acid; Polymerase chain reaction; FcγRIIA; FcγRIIIB; Genetic screening (Van Schie, R.C.A.A. (208) 91)

Salmonella typhimurium
Monoclonal antibody; Maltose binding protein; *Shigella dysenteriae*; *Enterobacter cloacae*; *Klebsiella pneumoniae* (Hsu, S.-C. (204) 169)

Sandwich enzyme-linked immunosorbent assay
Alpha-amylase; *Aspergillus oryzae*; Monoclonal antibody; Baker's asthma; Allergen (Sander, I. (210) 93)

Sarcoidosis
Intracellular cytokine; Immunocytochemistry; Flow cytofluorimetry; Bronchoalveolar lavage; Asthma (Krouwels, F.H. (203) 89)

Solid phase; Covalent; Crotonic acid; Grafting; ELISA; IgE; Bronchoalveolar lavage fluid (Larsson, P.H. (210) 41)

S-100b
ELISA; Cerebrospinal fluid; Central nervous system (Green, A.J.E. (205) 35)

Scopoletin
Hydrogen peroxide; Eosinophil; Neutrophil; Peroxidase; *N*-Acetyl-3,7-dihydroxyphenoxazine (Mohanty, J.G. (202) 133)

Scrapie
Prion protein; BSE; Antibody stimulation; Immunotolerance (Groschup, M.H. (207) 89)

Screen
K-*ras*; Oligonucleotide ligation assay; Dipstick; Amplification (Rothschild, C.B. (206) 11)

Screening
Pregnancy associated plasma protein A; Free beta subunit of human chorionic gonadotrophin; Time resolved fluorometry; Down's syndrome (Qin, Q. (205) 169)

SDS-PAGE
Bidirectional transfer; Immunoblotting (Kurien, B.T. (205) 91)

Immunoblotting; Enhanced chemiluminescence; *Cryptosporidium* (Patel, S. (205) 157)

Helicobacter spp.; Silver stain; Protein; Carbohydrate (Keenan, J.I. (209) 17)

Secretory immunoglobulin
Female mucosal secretion; Wick; Sno-strip; Cervical–vaginal lavage (Quesnel, A. (202) 153)

Secretory immunoglobulin A
Mucosal immunity; Serologic crossreactivity (Shearer, M.H. (204) 67)

Selectin
ELISA; GlyCAM-1; Inflammation (Bertozzi, C.R. (203) 157)

Selection
Phage display; Antibody repertoires; Single chain Fv (Wind, T. (209) 75)

Self monitoring
Glucose meter; Tissue culture; Glucose concentration; Culture media (Nayak, R.C. (205) 109)

Sensitivity
Flow immunosensor; Solid phase; Re-usability; Dissociating reagents; ELIFA (Morais, S. (208) 75)

Sensitivity and specificity
ND; ELISA; HI test; Cut-off point; Two-graph receiver operating characteristic (TG-ROC) analysis; Efficiency; Youden's index; Virology (Xu, H. (208) 61)

Sensitivity, monoclonal antibody
Radioimmunoassay; Optimisation; Mathematical modelling; Affinity (O'Connor, T. (208) 181)

Serogroup B meningococcus
Phagocytosis; Meningococcal antigen; Flow cytometry; Chemiluminescence; Confocal laser scanning microscopy (Lehmann, A.K. (200) 55)

Serological diagnosis
Chlamydia trachomatis; Antibody capture; IgM (Poussin, M. (204) 1)

Serologic crossreactivity
Mucosal immunity; Secretory immunoglobulin A (Shearer, M.H. (204) 67)

Serum
Interferon alfa-2b; Electochemiluminescence; Immunoassay; ORIGEN (Obenauer-Kutner, L.J. (206) 25)

Serum free medium
Histamine releasing factors; Histamine releasing activity; Mononuclear cells; Basophils; Concanavalin A (Kampen, G.T. (210) 185)

Shigella dysenteriae
Monoclonal antibody; Maltose binding protein; *Salmonella typhimurium*; *Enterobacter cloacae*; *Klebsiella pneumoniae* (Hsu, S.-C. (204) 169)

SIgA
Immunomodulation; Monoclonal antibody; Immunological reagent; Anti-virus; Anti-bacterium (Bouige, P. (200) 27)

Signal transduction
Flow cytometry; Cyclin-dependent kinase 2; Smooth muscle cell; Intracellular antigen (Sindermann, J. (202) 205)

Silver stain
Helicobacter spp.; SDS-PAGE; Protein; Carbohydrate (Keenan, J.I. (209) 17)

Single B cell
Autoantibody; B cell stimulation; Phage display; U1 RNA-associated protein (De Wildt, R.M.T. (207) 61)

Single-chain Fv
Phage display; Monoclonal antibody; Antibody library (Krebber, A. (201) 35)

CD7; Desipramine; *Pichia pastoris*; Surface plasmon resonance (Eldin, P. (201) 67)

Peptide linker; Refolding; Prokaryotic expression; Recombinant protein; Antibody engineering (Turner, D.J. (205) 43)

Affinity maturation; Antibody phage library; Combinatorial mutagenesis; BIAcore; Immunoaffinity separation (Pini, A. (206) 171)

Phage display; Antibody repertoires; Selection (Wind, T. (209) 75)

Single chain Fv antibody fragment
Small scale culture; Bacterial expression system (Kipriyanov, S.M. (200) 69)

Single-step solid-phase radioimmunoassay
Monoclonal antibody; Human chorionic gonadotropin; Assembled epitope; Carboxy terminal region; Epitope mapping (Venkatesh, N. (202) 173)

Site-specific biotinylation
Photoaffinity labeling; Antibody (Pavlinkova, G. (201) 77)

Skewness
Immune response; ELISA OD data; Merozoite surface protein; Normal parametric analysis; Bootstrap resampling (McGuinness, D. (201) 99)

SLE
ELISA; ε-aminocaproic acid; Epitope; Peptide; Ro/SSA (Pyun, J.-C. (208) 141)

Slice culture
Human spleen; Cytokine; Proliferation (Skibinski, G. (205) 115)

Small scale culture
Single chain Fv antibody fragment; Bacterial expression system (Kipriyanov, S.M. (200) 69)

Smooth muscle cell
Flow cytometry; Cyclin-dependent kinase 2; Intracellular antigen; Signal transduction (Sindermann, J. (202) 205)

Sno-strip
Female mucosal secretion; Wick; Cervical–vaginal lavage; Secretory immunoglobulin (Quesnel, A. (202) 153)

Solid phase
Peptide conjugation; Antibodies; Aluminium hydroxide; Alhydrogel; Carrier protein; Calreticulin (Houen, G. (206) 125)

Flow immunosensor; Re-usability; Dissociating reagents; Sensitivity; ELIFA (Morais, S. (208) 75)

Covalent; Crotonic acid; Grafting; ELISA; IgE; Bronchoalveolar lavage fluid; Sarcoidosis (Larsson, P.H. (210) 41)

Solid-phase anti-CD3 mAb
γδT cells; IL-2; Glioblastoma (Yamaguchi, T. (205) 19)

Solid-phase radioimmunoassay
Glutamic acid decarboxylase (GAD); Anti-GAD65 autoantibodies; Type 1 diabetes (Tiberti, C. (207) 107)

Specific antibodies
B-cell epitope; Monoclonal antibody; Multiple antigen peptide; T-cell help (Ahlborg, N. (204) 23)

Spheroid
Minifermenter; CHO transfectant; Suspension culture (Schütt, C. (204) 99)

Stable transfectant
Epstein-Barr virus-vector; Transfection; Transient expression (Mazda, O. (204) 143)

Stable transfection
Cytotoxicity assay; Reporter gene; Enzyme release (Schäfer, H. (204) 89)

Standardization
IL-8; Immunoassay; Bioassay (Mire-Sluis, A.R. (200) 1)

Staphylococcal protein A
Protein–protein interaction; IgG; Streptococcal protein G (Jendeberg, L. (201) 25)

Statistical analysis
Relative potency; Immunoassay; Bioassay (Siev, D. (208) 131)

Stem cell
Flow cytometry; LDS-751; Leukemia (Macey, M.G. (204) 175)

Stereospecific antibody
ELISA; Hapten; Immobilization; Amino acids (Hofstetter, O. (210) 89)

Storage
Polymorphonuclear leukocyte functions; Blood samples; Handling; Thermal stress (Egger, G. (206) 61)

Streptavidin
Biotin; Sugars (Houen, G. (210) 115)

Streptococcal protein G
Protein–protein interaction; IgG; Staphylococcal protein A (Jendeberg, L. (201) 25)

Fusion protein; Antibody response; T cell response; Major histocompatibility complex class II restriction (Sjölander, A. (201) 115)

Cholera toxin B subunit; Fusion protein; Pentamerization; GM1 binding (Liljeqvist, S. (210) 125)

Streptococcus **group B**
Latex agglutination test; Ultrasonic standing wave; Meningitis diagnosis; Antigen detection; Immunoassay; Ultrasonic enhancement of immunoassay; *Haemophilus influenzae* type b; *Neisseria meningitis* ACY W135; *Neisseria meningitis*; *Streptococcus pneumoniae* (Jenkins, P. (205) 191)

Streptococcus pneumoniae
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